

AD-A130 206

CAPE ROMANZOF AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83

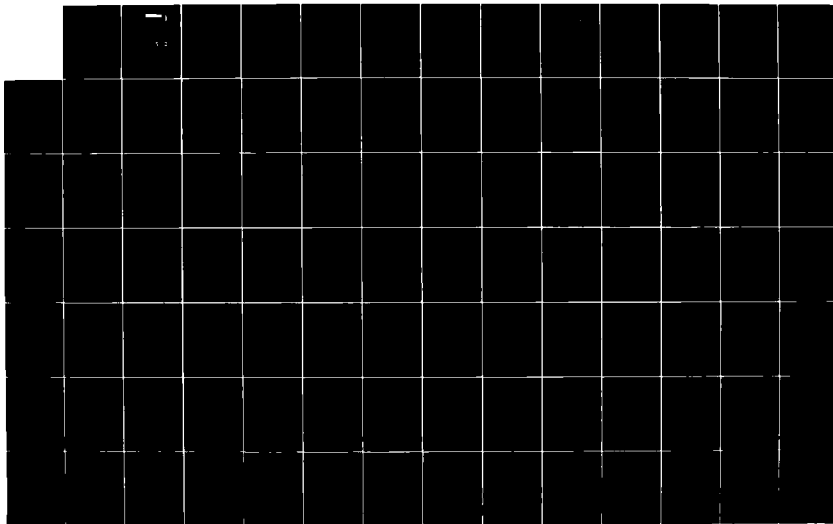
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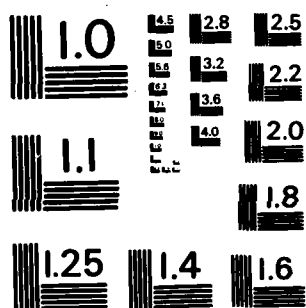
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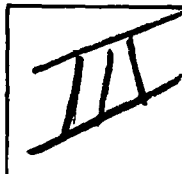
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NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET

AD-E850 374

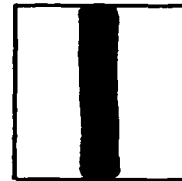
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DOCUMENT IDENTIFICATION

Mar '83

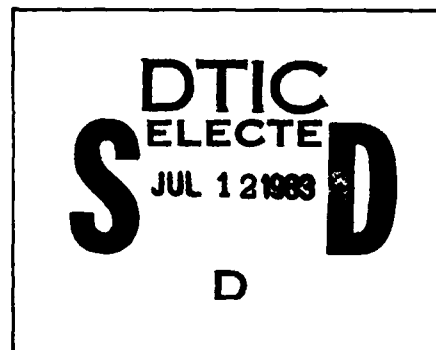
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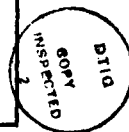
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USAFETAC  
Air Weather Service ( MAC )**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

CAPE ROMANZOF AFS AK      MSC # 702120  
N 61 47    W 166 02    ELEV: 457 FT      PACZ  
PARTS A - F      HOURS SUMMARIZED:    0000Z - 2300Z  
PERIOD OF RECORD:  
HOURLY OBSERVATIONS: JAN 73 - DEC 81  
SUMMARY OF DAY DATA: SEP 53 - DEC 81  
TIME CONVERSION GMT TO LST: -11

MAR 29 1983

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REVIEW AND APPROVAL STATEMENT

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This technical report has been reviewed and is approved for publication.

*Wayne E. McCollom*

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Chief, Technical Information Section  
USAFETAC/TST

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 SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS 83/008	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-  CAPE ROMANZOF AFS, ALASKA		5. TYPE OF REPORT & PERIOD COVERED Final rept															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
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11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB, IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for</p> <p>CAPE ROMANZOF AFS, ALASKA</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric (over)</p>																	

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\*ALASKA

\*CAPE ROMANZOF AFS

\*

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

##### ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

##### SNOWFALL

##### SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

##### SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

##### EXTREME MAX & MIN TEMP

##### PSYCHROMETRIC DRY VS WET BULB

##### MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

##### RELATIVE HUMIDITY

#### PART F STATION PRESSURE

##### SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO. ON SUMMARY:	STATION NAME:	STATION TYPE:	CALL SIGN:	REQ. NUMBER:
702120	CAPE ROMANZOF ALASKA AFS	N 61 47	W 166 02	457
			PACZ	70212

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	DIAG. DIMENSION	
1	Cape Romanzof, Alaska	AFS	Apr 53	Feb 55	N 61 47	W 165 52	426	483	13-24
2	No Change	AFS	Mar 55	Feb 56	No Chge	No Change	473	434	14-24
3	No Change	AFS	Mar 56	Feb 59	No Chge	No Change	478	No Chge	19-24
4	No Change	AFS	Mar 59	Feb 61	No Chge	No Change	490	No Chge	24
5	No Change	AFS	Mar 61	4 Nov 63	No Chge	W 166 02	No Chge	No Chge	24
6	No Change	AFS	5 Nov 63	May 70	No Chge	No Change	467	405	16-24
7	Same	AFS	Jun 70	Feb 83	Same	Same	457	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 53- Feb 55	Located 30 Ft. N of Weather Station	AN/GMQ-1	None	15 Ft.	
2	Mar 55- Feb 60	Located 20 Ft, NNE of Weather Station.	No Chge	ML-204B	No Chge	
3	Mar 60- Feb 65	Located 500 Ft. NE of Weather Station. and 100 Ft. from touch down point of Rwy.	AN/GMQ-11	None	13 Ft.	
4	Mar 65- Feb 68	Located 250 Ft. E of Center Line and 750 Ft. from touch down point of Rwy.	No Chge	None	15 Ft.	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE AND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Mar 68	Located 500 Ft. from Center Line and 560 Ft. from end of Runway.	AN/CNR-1	None	11 Ft.	
6	Feb 83	Same	Same	Same	Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

3

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USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

702120 - CAPE ROMANZOF AFS AK

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02		1.2	.4	26.7		27.8	15.3		21.8		33.0	772
	03-05		1.7	.5	27.6		28.7	16.1		21.2		32.2	807
	06-08		2.3	.7	28.2		29.4	20.1		23.0		36.2	812
	09-11		2.7	.4	25.2		27.6	25.3		20.1		37.3	815
	12-14		2.0	.6	22.0		24.0	24.5		18.1		35.4	797
	15-17		1.9	1.1	26.4		29.3	26.8		18.3		36.8	622
	18-20		1.9	2.1	34.7		37.4	28.9		14.6		32.9	377
	21-23		.7	1.5	29.3		30.8	22.8		17.3		31.5	543
TOTALS			1.8	.9	27.5		29.4	22.9		19.3		34.4	5545

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## WEATHER CONDITIONS

7 1120 CAPE ROMANZOF AFS AK

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		2.3		16.4		17.2	15.1		22.1		32.7	719
	03-05		1.8		19.5		20.1	17.4		25.5		35.7	737
	06-08		1.5		20.8		21.0	20.2		26.9		37.7	746
	09-11		2.4	.4	18.5		20.0	22.8		24.1		39.1	757
	12-14		2.7	.4	17.6		19.9	21.4		23.3		37.4	733
	15-17		1.9	.3	18.7		20.4	21.8	.2	21.2		34.7	637
	18-20		2.5		24.5		25.5	25.0		21.0		34.1	396
	21-23		2.5		19.7		20.2	17.3		22.2		31.6	519
TOTALS			2.2	.1	19.5		20.5	20.1	.2	23.3		35.4	5227

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# WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		1.4	.1	26.9		26.9	18.1		24.7		36.0	832
	03-05		1.7		27.0		27.2	19.1		22.1		35.1	834
	06-08		1.3		24.5		25.3	27.3		19.4		37.6	834
	09-11		.8	.2	22.5		23.3	28.3	.2	16.8		36.1	834
	12-14		.1		20.1		20.8	26.2		19.0		35.2	825
	15-17		.5		23.3		23.4	26.2		20.3		36.0	764
	18-20		.9	.2	23.3		24.0	29.6	.5	19.8		38.0	550
	21-23		1.4	.2	26.2		27.0	22.5		23.0		35.6	627
TOTALS			1.1	.1	24.2		24.7	24.7	.1	20.6		36.2	6770

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## WEATHER CONDITIONS

7 2120 CAPE ROMANZOF AFS AK

73-81

APR

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02		2.5	.4	28.1		30.3	22.5		14.2		31.0	773
	03-05		2.7	1.1	27.2		30.2	26.7		14.1		33.1	810
	06-08		1.9	1.9	23.3		25.8	28.0	.2	14.3		33.6	810
	09-11		3.0	.7	25.8		28.0	27.0		13.2		31.9	810
	12-14		3.7	.2	22.8		25.2	23.7		10.6		28.4	810
	15-17		4.7	.6	22.1		25.8	25.2		8.7		29.7	795
	18-20		5.3	.6	26.0		30.4	28.7		9.1		34.0	662
	21-23		2.9	.5	26.9		30.1	28.4		9.5		33.2	651
TOTALS			3.3	.8	25.3		28.2	26.3	.0	11.7		31.9	6121

3 GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02		9.8	.1	12.0		21.7	15.3		1.6		15.9	803
	03-05		9.1	.4	15.1		23.3	21.5		1.9		22.2	836
	06-08		8.0	.5	15.1		22.5	18.5		2.5		19.5	837
	09-11		10.3		14.6		23.8	14.2		1.7		15.1	837
	12-14		10.3		10.9		19.9	12.6		1.8		13.8	836
	15-17		10.7		8.9		19.4	9.6		1.4		10.6	774
	18-20		11.3		9.3		20.2	12.0		.7		12.2	600
	21-23		10.7		10.7		20.6	14.3		.6		14.3	665
TOTALS			10.0	.1	12.1		21.4	14.8		1.5		15.5	6180

3

## WEATHER CONDITIONS

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02		25.9		1.4		26.9	28.7				28.7	717
	03-05		29.3		2.8		31.3	30.7				30.7	753
	06-08		30.6		2.7		32.5	29.0				29.0	782
	09-11		31.9		1.1		32.7	24.9				24.9	788
	12-14		26.8		1.7		28.2	19.0				19.0	773
	15-17		28.7		1.8		30.1	20.7				20.7	624
	18-20		37.7		.2		37.7	26.1				26.1	422
	21-23	.2	30.8		.5		31.0	31.9				31.9	548
TOTALS		.0	30.2		1.5		31.3	26.4				26.4	5407

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02		27.4				27.4	26.5				26.5	785
	03-05		31.5				31.5	29.4				29.4	821
	06-08		35.4				35.4	28.1			.1	28.1	822
	09-11		34.2				34.2	22.2				22.2	821
	12-14		30.0				30.0	16.3				16.3	818
	15-17		28.4				28.4	16.1				16.1	696
	18-20		30.3				30.3	21.4				21.4	532
	21-23		27.4				27.4	24.4				24.4	635
TOTALS			30.6				30.6	23.1			.0	23.1	5930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02		30.4				30.4	21.2				21.2	773
	03-05		33.1				33.1	24.3				24.3	804
	06-08		35.9		.1		35.9	25.2				25.2	804
	09-11		33.6		.1		33.6	21.3				21.3	807
	12-14		35.7				35.7	16.3				16.3	765
	15-17		31.2				31.2	18.4			.2	18.5	632
	18-20		33.8				33.8	22.9				22.9	529
	21-23		32.1				32.1	21.8				21.8	601
TOTALS			33.2		.0		33.2	21.4			.0	21.4	5715

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02		30.7		2.7		32.3	11.8				11.8	771
	03-05		33.8		2.6		35.1	12.6				12.6	801
	06-08		34.4		1.6		34.9	13.7				13.7	802
	09-11		33.7		1.5		34.5	11.6				11.6	803
	12-14		31.8		1.5	.1	32.6	8.4				8.4	782
	15-17		30.5		2.0		31.3	10.4				10.4	699
	18-20	.2	28.6		2.7		29.8	10.3				10.3	514
	21-23		31.3		3.2		33.0	10.9				10.9	594
TOTALS		.0	31.9		2.2	.0	32.9	11.2				11.2	5766

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02		10.7	.1	28.3		36.0	13.3		7.0		20.0	924
	03-05		12.3	.1	29.0		38.6	12.1		7.8		19.7	837
	06-08		11.6		27.2		38.1	11.9		7.4		18.3	837
	09-11		11.4	.5	21.3		32.0	11.0		6.6		16.0	837
	12-14		14.2	.4	19.6		33.1	11.6		5.1		15.9	836
	15-17		13.2	.5	22.3		34.7	12.3		5.4		17.2	781
	18-20		14.8	.5	26.8		40.7	15.1		6.9		22.1	509
	21-23		13.1		25.5		36.8	15.6		6.7		21.9	671
TOTALS			12.7	.3	25.0		36.3	12.9		6.6		18.9	6171

13

## 13

NOV

MONTH

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	30-32		5.7	.6	33.9		35.8	9.8		13.2		20.9	809
	03-05		4.0	1.1	33.2		37.3	11.9	.1	15.1		23.6	810
	06-08		6.0	.5	32.0		37.2	13.2		14.9		24.9	813
	09-11		5.9	.4	25.6		31.1	18.0		14.6		28.3	810
	12-14		7.5	.7	24.2		31.4	19.5	.1	15.7		30.6	810
	15-17		6.6	.4	25.8		31.9	20.5	.6	13.8		30.5	775
	18-20		8.7	.6	34.6		41.8	22.1		13.2		35.8	517
	21-23		7.6	.6	32.7		37.6	14.0		13.7		25.0	643
TOTALS			6.5	.6	29.9		35.5	16.1	.1	14.3		26.8	5904

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3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		1.4	.2	28.9		30.2	15.9		28.4		38.0	807
	03-05		1.1	.9	30.5		31.6	15.4		27.2		36.4	813
	06-08		1.6	.6	32.1		33.6	14.1		27.1		36.0	816
	09-11		1.3	.6	28.1		29.5	20.1		21.6		36.0	819
	12-14		1.8	.4	24.4		25.7	22.3		21.4		37.2	795
	15-17		1.5	.5	26.7		27.8	24.1		24.1		38.7	651
	18-20		1.1	1.1	29.3		30.8	19.7		28.2		38.4	471
	21-23		1.1	.5	29.6		30.5	16.5		29.4		38.6	632
TOTALS			1.4	.6	28.7		30.0	18.5		25.9		37.4	5804



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

702120 CAPE ROMANZOF AFS AK

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL		1.8	.9	27.5		29.4	22.9		19.3		34.4	5545
FEB			2.2	.1	19.5		23.5	20.1	.0	23.3		35.4	5227
MAR			2.1	.1	24.2		24.7	24.7	.1	20.6		36.2	6070
APR			3.3	.8	25.3		28.2	26.3	.0	11.7		31.9	5121
MAY			10.0	.1	12.1		21.4	14.8		1.5		15.5	6188
JUN		.0	30.2		1.5		31.3	26.4				26.4	5407
JUL			30.6				30.6	23.1			.0	23.1	5930
AUG			33.2		.0		33.2	21.4			.0	21.4	5715
SEP		.0	31.9		2.2	.0	32.9	11.2				11.2	5766
OCT			12.7	.3	25.0		36.3	12.9		6.6		18.9	6171
NOV			6.5	.6	29.9		35.5	16.1	.1	14.3		26.8	5984
DEC			1.4	.6	28.7		30.0	18.5		25.9		37.4	5804
TOTALS		.0	13.7	.3	16.3	.0	29.5	19.9	.0	10.3	.0	26.6	69928

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

1  
3 GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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XXXXXXXXXXXXXXXXXXXX  
XX WEATHER CONDITIONS XX  
XXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

702120 CAPE ROMANZOF AFS AK 54-65, 69-81 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY		11.6	4.6	51.0		53.0	55.1		49.0		71.9	606
FEB			6.2	1.3	47.8		49.1	54.3		53.6		73.4	634
MAR			4.9	1.9	53.9		54.1	58.5		48.3		72.0	590
APR			12.7	4.7	57.8		53.6	67.6		40.1		74.8	579
MAY			41.3	3.0	40.6		55.1	55.7		5.2		56.2	601
JUN		.4	62.6	.2	10.2		65.6	68.4		.2		68.5	569
JUL		.3	70.6		.5		70.6	65.4		.8		65.8	612
AUG		.3	82.0		1.4		82.0	68.0		.6		68.4	662
SEP		.3	77.9	.2	15.6	.2	80.9	49.5	.5	1.1		50.3	678
OCT			37.2	2.8	67.8		81.9	45.1	.5	19.1		54.9	645
NOV			20.4	5.6	72.6		76.3	47.1	.3	43.4		67.3	603
DEC			10.3	5.9	62.0	.2	62.3	51.6		54.0		71.8	611
TOTALS		.1	36.5	2.5	40.3	.0	67.1	57.2	.4	26.1		66.3	7260



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

70-123 CAPS ROMANOF AFB AK  
STATION STATION NAME

53-55, 59-61

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-70	OVER 70					
JAN	43.6	19.6	5.0	10.7	4.1	6.6	3.2	1.3						1.1	641	1.3	4.17	0.1
FEB	40.5	22.3	5.6	9.5	5.3	3.9	2.1	1.3	.5					20.2	571	1.11	4.25	TRACE
MAR	44.1	2.8	5.2	13.2	4.7	6.6	2.8	1.2	.4					30.2	652	1.33	6.13	0.3
APR	37.7	26.9	5.0	13.4	5.9	4.9	2.7	.7						30.4	714	.7	3.75	0.5
MAY	36.7	26.3	6.2	11.9	7.6	6.2	4.1	1.4						37.2	715	1.43	7.0	0.7
JUN	32.5	26.1	5.6	10.0	5.9	3.9	7.4	2.2	1.3					41.2	577	2.62	5.25	0.7
JUL	29.4	23.9	4.7	14.2	6.3	10.3	7.4	4.6	.9					47.7	703	2.47	5.45	0.3
AUG	17.5	18.9	5.6	15.3	10.4	13.3	9.5	6.5	2.6	.1				53.5	731	4.99	8.75	1.19
SEP	20.1	15.7	4.9	14.0	9.9	15.6	10.1	6.9	2.5					64.0	750	4.67	8.91	1.32
OCT	19.9	15.8	5.6	16.4	11.5	10.7	5.3	3.1	.5					54.2	767	2.44	6.5	.79
NOV	25.7	27.2	6.5	15.7	11.1	9.0	2.7	1.4	.5					47.1	724	1.55	5.46	TRACE
DEC	41.6	23.1	5.9	13.4	6.3	5.0	4.0	1.1	.1					36.3	746	1.58	4.15	TRACE
ANNUAL	33.5	23.1	5.9	13.2	7.3	6.4	5.1	2.7	.8	.0				43.4	8510	26.85		

USAFETAC FORM 0-15-5 (OL A)  
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAF ETAC FORM 0-88-5 (OLA)  
JUL 68  
WEATHER SERVICE/AC

# EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

101 CAPE ROMAN OF AFRICA  
STATION NAME

00-00, 00-00

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64	.84	1.02	1.03	.34	.86	.14*	.76*	1.03	1.03	.74	.34*	.76	1.03
65	.01*	.10	.23	.10	.80	.80	1.04	1.03	1.03	.74	.76*	.76	1.03
66	.84	1.15	1.03	.70	.23	1.02	.97	1.07	1.03	.84	.12*	TRACE	.77
67	.23	TRACE	.27	.23	.30	.13	.79	1.07	1.06*	.74	.24	.76	.77
68	.03	.69	.17	.12	.71	.43	.57*	1.14	.77	.70	.46	.17	1.14
69	.84	.16	.40	.20	.77	.64	.71	1.04	1.04	.84	1.07	.76	1.07
70	.80	.95	.04*	.14	.84	.56	.94	.46	.87	.84	1.12	.76	1.02
71	.71	.15	.29	.10	.70	1.03	.70	.70	1.03	.87	.20	.49	1.03
72	.32	.14	.34	.14	.40	.36	.67	.88	1.00	.43	.30	.37	1.00
73	.86	.25	.42	.42	.30	1.03	.42	1.09	1.01	1.1	.78	.76	1.09
74	.14	.62	.19	.35*	.70								
75								1.17	1.01*	.17*	TRACE	.14	
76				.74*	.67	1.46	.60	.70	.50	.50	1.01	.41	
77	.34	.24	.21	.47	.76*	.89*	.80	.46	.29	.75	.22*	.76	1.04
78				.19	.24	.62	.83	.41	.27	.80	.29	.76	
79	.41	.84	.29	.47	.76	1.00	.46	1.03	.94	1.41	.89	1.09	1.04
80	.99	.29	.11	.36	.79*	.75*	1.32	.71	1.33*	1.00*	.55	.76	1.33
81	.40	.31	.36	.21*	.71*	.49	1.03	1.37	.45	.27	.84*	.76	1.03
82	.50	.72	.75	.10	.74*	.91	1.46*	.34	.40	.57	.19*	.76	1.46
83	.40*	.11	.15	.16	.62	.33*	.67*	.45	.72	.65	.20	.49	.70
84	.30	.33	.20	.70	.70	.33	.86	.72	1.02	.75	.16	.46	1.02
85	.44	.22	.09	.76	.43	1.24	1.16	1.14	.92	.77	.65	.56	1.24
86	.30	.09	.43	.12	.14	1.12	.79	.78	1.03	.80	.66	.79	1.12
87	.10	1.06	.31	.26	.60	1.23	1.33	.54	.63	.36	.11	.54	1.23
88	.13	.72	.24	.35	.31	.42	.35	1.08	.43	1.01	.24	.50	1.08
MEAN	.363	.453	.325	.294	.453	.781	.813	1.165	.950	.807	.453	.501	1.033
S.D.	.290	.377	.315	.230	.238	.453	.463	.672	.552	.294	.448	.275	.350
TOTAL OBS.	67	62	68	71	71	67	70	71	70	76	72	74	60

NOTE \* BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-5 (OLA)  
JUL 68

CLIMATE DIVISION  
 STATION  
 DATE

# EXTREME VALUES MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION NAME  
 STATION NAME

1951-1952

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
51													
54	1.12	1.71	0.36	0.37	1.57	1.30	2.20	7.55	1.72	1.14	0.72	0.77	9.22
55	0.01	0.06	0.07	0.27	0.36	1.08	2.90	5.72	1.11	4.31	1.63	0.09	9.55
56	1.13	4.25	5.63	2.30	0.70	2.54	2.31	7.72	2.67	2.11	0.25	1.30	9.00
57	0.02	TRACE	0.03	0.05	0.05	0.23	0.33	1.55	4.00	1.57	1.31	0.04	0.70
58	0.07	0.97	1.20	0.30	1.87	3.43	1.40	1.30	4.45	1.67	0.91	0.00	0.21
59	0.14	0.36	0.70	0.59	1.50	1.54	3.11	4.65	4.92	1.55	0.46	0.00	0.00
60	3.74	2.63	0.50	0.58	1.52	0.72	1.20	1.61	1.17	2.23	3.97	1.00	2.20
61	1.60	0.16	0.54	0.34	1.55	7.14	4.80	3.97	6.91	2.70	1.34	1.71	7.00
62	1.35	0.62	1.43	0.41	1.57	1.23	2.17	5.80	7.44	2.11	0.72	1.22	1.00
63	4.17	0.46	2.54	1.10	1.60	3.78	7.30	7.82	2.51	2.30	0.05	0.00	7.10
64	0.40	1.59	0.41	1.30	0.52								
65								7.31	7.90	1.00	TRACE	0.00	
66				0.00	1.40	5.32	3.57	3.24	2.20	2.55	1.43	1.20	
70	0.12	0.77	0.95	1.35	0.35	1.25	4.71	0.35	1.72	2.44	1.75	0.00	0.00
71				0.57	1.45	2.84	7.43	1.19	3.67	1.62	1.22	1.00	
72	1.57	0.06	0.22	2.74	1.33	3.17	1.63	4.31	2.37	5.99	1.50	0.00	1.00
73	5.24	0.01	0.45	0.84	0.67	0.27	2.27	6.43	2.45	4.22	1.38	2.70	0.00
74	1.81	1.09	1.47	0.84	0.64	1.28	5.48	6.78	3.35	0.74	1.55	0.00	0.00
75	0.24	0.98	1.55	0.97	1.27	1.33	2.88	1.27	1.97	1.20	0.32	0.00	1.00
76	0.70	0.23	0.54	0.50	1.03	0.52	2.09	7.21	3.30	7.90	0.94	1.10	0.00
77	1.37	0.69	0.62	1.32	0.97	1.11	2.68	2.70	5.11	7.79	0.45	2.10	2.00
78	0.87	0.91	0.32	1.30	1.15	5.06	4.35	0.50	6.70	3.59	7.40	4.10	7.00
79	2.24	0.18	1.83	0.52	0.07	1.04	0.63	1.01	5.61	2.68	3.42	0.00	2.00
80	0.60	2.00	1.71	0.29	0.16	5.72	4.03	1.71	5.64	1.54	0.50	0.00	0.00
81	1.73	1.70	0.72	1.27	1.32	1.99	1.01	3.85	2.80	3.77	1.21	2.00	2.00
MEAN	1.208	1.106	1.333	0.973	1.470	2.623	2.905	4.993	4.030	2.436	1.509	1.524	2.510
S.D.	1.441	1.239	1.738	0.826	0.752	1.722	1.493	2.157	2.257	1.221	1.212	1.074	1.450
TOTAL OBS.	651	620	682	719	715	677	703	731	750	767	729	740	1.500

NOTE \* BASED ON LESS THAN FULL MONTHS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

70-120 CAFE KAMANOF AFS AK  
STATION

STATION NAME

53-65, 69-81

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	5.7	19.7	43.7	9.7	7.7	1.0	1.0	.0	.4					27.7	661	1.0 33.0 .7		
FEB	11.7	22.9	13.1	8.7	2.3	1.6	.0	.3	.3	.2				26.9	673	4.2 31.0 TRACE		
MAR	44.3	21.7	17.4	9.4	3.4	1.9	.7	.3	.6	.3				34.0	682	11.3 60.6 .3		
APR	40.2	27.5	16.2	11.0	2.5	1.0	.7		.1					32.4	714	7.5 26.3 .5		
MAY	57.1	26.0	11.7	6.4	.7	.7	.4		.1					27.0	736	4.1 19.1 TRACE		
JUN	71.0	6.5	1.1	.6	.6									2.3	710	.5 4.0 .0		
JUL	99.6	.4													768	TRACE TRACE .0		
AUG	98.7	1.0			.3									.3	767	.0 3.4 .0		
SEP	65.6	10.4	2.2	1.3	.4	.1								4.0	790	.5 6.5 .0		
OCT	35.0	29.8	14.4	13.8	4.2	1.6	.4	.5	.1		.1			35.2	805	2.7 32.0 .3		
NOV	30.7	26.7	18.9	16.4	3.0	1.3	.4	.7	.7					41.1	755	10.6 25.0 TRACE		
DEC	41.5	23.5	15.7	11.5	3.2	1.5	1.7	.7	.4					35.0	746	14.7 46.7 TRACE		
ANNUAL	50.6	17.7	10.4	7.5	2.0	.9	.5	.3	.2	.0	.0			21.7	8764	74.9		

## EXTREME VALUES

2000

FROM DAILY OBSERVATIONS

53-55, 69-22

1240

44 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
73													
74	4.4	3.8	7.1	2.2	1.6	.3*	.3*	.1	TRACE	1.4	1.2*	4.2	7.1
75	1.3*	1.3	3.3	1.2	.4	1.3	.3	1.9	TRACE	3.5	1.3*	1.4	5.7
76	5.7	12.5	10.6	1.4	TRACE	TRACE	.2	.3	1.4	2.3	1.2*	4.2	17.5
77	2.1	TRACE	.7	.3	.4	.3	.3	.3	2.9	7.3	2.4	2.3	7.7
78	.4	1.4	1.7	1.2	1.2	.4	.2	.2	.2	1.3	3.5	1.7	7.5
79	.4	1.6	4.2	2.3	3.3	.3	TRACE	TRACE	.2	2.5	.3	2.2	5.7
80	6.4	9.5	.4*	1.4	1.3	TRACE	.3	TRACE	TRACE	1.2	2.2	1.1	9.1
81	7.1	.5	2.8	1.2	.7	TRACE	TRACE	TRACE	TRACE	2.4	2.3	2.3	7.1
82	4.4	1.3	3.4	1.4	1.1	1.8	.2	.2	1.1	1.4	3.2	2.7	4.2
83	2.3	2.5	4.2	4.2	2.1	1.3	.3	.3	.3	1.5	1.1	1.7	5.7
84	1.4	5.6	1.7	3.7*	3.2*	.3	.2	.2	TRACE	2.2	1.1		
85							.3	.3	1.7	1.6*	TRACE	1.1	
86			*	.2*	1.6	TRACE	.3	.2	TRACE	.7	7.6	4.1	
70	.4	2.2	2.1	3.3	.5*	.3	.3	.3	.3	1.1	1.7*	3.1	7.7
71				1.9	1.3	.7	.2	TRACE	TRACE	2.1	2.2	1.6	
72	4.1	.4	.7	4.2	7.8	2.1	.3	.3	.5	2.4	3.9	3.1	8.3
73	7.4	2.7	1.1	3.6	.5*	TRACE*	.3	.2	.4*	1.2	2.3	2.7	7.2
74	4.6	3.1	2.9	2.1*	.7*	.1	.3	.3	TRACE	2.7	1.8*	.1	4.1
75	.4	3.4	2.1	1.8	1.3	TRACE	.3*	.3	TRACE	.4	1.2*	1.3	3.4
76	.4*	.7	1.4	1.8	3.8	TRACE*	.4*	.3	.3	2.4	1.7	4.3	4.3
77	3.6	3.3	2.4	7.4	2.8	.4	.3	.3	TRACE	1.4	1.5	4.2	7.2
78	4.1	2.1	.9	2.8	.1	.4	.3	.3	TRACE	7.4	3.1	4.4	7.4
79	3.2	.9	4.3	.3	TRACE	.3	.2	.3	TRACE	1.2	3.2	.7	3.2
80	1.7	5.2	3.1	.6	3.4	.5	.2	.3	TRACE	1.3	1.7	1.1	1.7
81	3.3	2.3	2.4	1.3	1.3	TRACE	.3	TRACE	.4	3.3	1.3	3.5	5.2
MEAN	3.1	3.21	2.64	2.23	1.61	.37	TRACE	.27	.44	3.13	2.13	3.21	2.44
S.D.	.231	3.379	2.338	1.579	1.791	.676	.302	.475	.724	3.524	2.491	2.74	4.308
TOTAL OBS.	684	620	682	714	736	713	769	767	783	815	755	742	8744

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)

OFFICE OF THE ADJUTANT GENERAL  
 1000 W. 10th St.  
 WASHINGTON, D.C. 20304

# **EXTREME VALUES** MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

1. NAME OF STATION: **CAMP LAMON OF AF 3 AN**  
 STATION

13-52, 59-61

YEARS

## TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
53										7.3	10.7*	1.0	
54		1.1	5.8	7.1	2.7	2.3	1.4*	1.0*	TRACE	1.0	1.9*	1.7	* 61.0
55		1.1*	5.5	7.1	2.7	2.3	1.7	1.0	3.4	TRACE	10.2*	1.7	* 67.0
56		11.4	71.6	50.5	5.3	TRACE	TRACE	1.0	1.0	1.5	1.5*	1.4	* 11.1
57		1.1	TRACE	1.3	1.5	1.1	1.0	1.0	1.0	1.0	1.0	1.0	33.1
58		1.7	2.8	11.5	3.1	4.7	1.0	1.0	1.0	1.0	1.0	1.0	30.0
59		1.1	3.6	7.1	5.7	7.7	1.0	TRACE	TRACE	1.0	1.0	1.0	59.7
60		3.0	27.2	1.4*	6.3	5.4	TRACE	1.0	TRACE	TRACE	1.0	1.0	* 17.0
61		1.1	1.6	1.4	3.2	1.1	TRACE	TRACE	TRACE	TRACE	1.0	1.0	1.0
62		18.4	4.1	13.5	4.2	5.7	2.6	1.0	1.0	1.0	1.0	1.0	61.0
63		1.1	4.5	2.2	11.4	3.5	1.7	1.0	1.0	1.0	1.0	1.0	1.0
64		1.1	15.9	4.4	13.4*	1.0*	1.0	1.0	TRACE	1.0	1.0	1.0	
65								1.0	1.0	1.0	1.0	1.0	
66													
67		1.2	1.2	1.0*	1.0*	1.0	TRACE	1.0	1.0	TRACE	1.0	1.0	
68													
69		1.2	1.2	1.0*	1.0*	1.0	TRACE	1.0	1.0	TRACE	1.0	1.0	* 55.0
70													
71		1.2	1.2	1.0*	1.0*	1.0	TRACE	1.0	1.0	TRACE	1.0	1.0	
72		14.3	1.6	20.3	19.1	4.3	1.0	1.0	1.0	7.5	14.5	11.7	* 12.0
73		1.1	5.9	1.4	7.1	1.5*	TRACE*	1.0	1.0	1.0*	1.0	1.0	* 12.0
74		1.1	11.9	7.1	7.5*	1.4*	1.0	1.0	TRACE	1.0	7.1*	1.7	* 13.0
75		1.4	4.8	7.2	1.6	1.5	TRACE	1.0*	TRACE	1.0	1.0*	1.1	* 12.0
76		1.7*	1.2	4.4	4.2	4.6	TRACE*	1.0*	1.0	1.0	1.0	1.0	* 44.1
77		1.1	1.9	7.1	13.2	1.7	1.0	1.0	TRACE	1.0	1.0	1.0	* 11.0
78		1.4	5.9	1.4	12.3	1.0	1.0	1.0	TRACE	1.0	1.0	1.0	* 15.7
79		18.2	1.4	14.1	2.9	TRACE	1.0	1.0	TRACE	1.0	1.0	1.0	* 23.0
80		1.7	7.8	1.1	2.9	4.6	1.0	1.0	TRACE	1.0	1.0	1.0	* 15.7
81		13.4	1.2	6.4	4.1	2.4	TRACE	1.0	TRACE	1.0	1.0	1.0	* 77.0
MEAN	7.97	8.22	11.24	7.52	4.29	.55	TRACE	.19	.3	9.56	17.63	14.43	72.21
S.D.	1.621	3.352	14.574	5.919	4.413	1.123	.307	.725	1.475	6.355	6.711	11.426	24.754
TOTAL OBS.	681	523	682	714	738	710	763	767	725	625	755	746	2755



GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPT-  
(FROM DAILY OBSERVATIONS)

7 122 CAPE ROMANZOF AFS AK 53-81  
STATION STATION NAME YEARS

		AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN		1.2	3.2	9.6	4.5	26.5	22.5	27.6	.7	2.9				98.5	865				
FEB		3.2	2.3	1.4	4.2	23.9	17.2	39.1	3.2	2.7	.8	1.1		96.6	737				
MAR			1.1	1.4	6.2	6.1	24.3	35.7	17.4	.6	.3	3.2		100.0	868				
APR					3.3	14.4	22.0	45.7	11.0	.0	.1	2.0		100.0	838				
MAY	4.2	16.4	9.1	7.7	6.2	14.2	22.4	15.0	3.6	.2				79.5	867				
JUN	58.7	30.0	3.9	2.2	1.7	2.4	1.7	.1						12.0	836				
JUL	27.0	13.0													860				
AUG	44.9	5.1													859				
SEP	36.4	2.5	.6	.2	.1	.1								1.0	870				
OCT	34.7	19.1	15.5	9.9	6.8	10.1	3.9							40.3	877				
NOV	4.9	9.7	19.5	19.0	12.5	16.7	12.2	5.6						85.5	870				
DEC	1.0	.3	11.7	10.8	12.1	21.7	20.6	18.3	2.8					98.2	890				
ANNUAL	31.2	6.4	5.7	5.2	4.6	11.6	12.3	15.7	3.3	.6	.1	.6		59.8	17309				

## EXTREME VALUES

1990

(FROM DAILY OBSERVATIONS)

1. STATION	2. NAME OF AFD AT STATION
1. STATION	2. NAME OF AFD AT STATION

53-1

**YEARS**

## DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
3													
4													
5													
6													
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63					</								

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0885 (OLA) JUL 64

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate Annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

## EXTREME VALUES

92745-1

(FROM DAILY OBSERVATIONS)

1	122	0400	0400	AF	04
STATION				STATION NAME	

77-21

**YEARS**

DAILY DEAR LIST IN KNOTS

[illegible]

VOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)  
JUL 84

\$ (BASED ON LESS THAN FULL MONTHS AND +1.0 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

770120	CAPE ROMANZOF AFS AK	73-81	JAN
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			0000-2359
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.3	2.5	1.2	1.3	2.3	1.6	.3	.1		11.2	22.4
NNE	.4	1.2	1.6	2.2	3.5	2.2	1.6	.6	.1	.3	.1	13.7	19.4
NE	.4	.5	1.4	2.9	3.1	3.2	.9	1.3				13.7	19.5
ENE	.6	.3	.5	1.4	2.5	1.2	.1	.5				7.1	17.5
E	.4	1.3	1.2	3.0	3.5	1.4						10.9	14.7
ESE	.4	.5	.9	2.3	1.6	.8	.1					6.5	14.2
SE	.3	.6	.5	1.7	.8	.6						4.5	13.7
SSE	.5	.5	.9	1.9	1.7	.5	.1		.1			6.7	15.3
S	1.2	.9	1.2	1.4	1.8	1.8	.1					6.4	14.1
SSW	.5	.3	.5	.6	.4							2.3	9.4
SW	.3	.3										.5	3.8
WSW	.1		.1									.3	4.5
W		.3	.1	.1								.5	7.5
WNW			.1	.1								.3	10.0
NW	.1			.8								.9	12.7
NNW				.5	.4	.1	.1					1.2	19.1
VARBL													
CALM												11.2	
	5.3	7.1	10.4	21.5	20.4	13.6	5.4	4.0	.5	.4	.1	100.0	15.1

TOTAL NUMBER OF OBSERVATIONS 771

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

700120

CAPE ROMANZOF AFS AK

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	1.0	2.7	1.0	1.4	1.4	1.5	1.2			10.9	22.9
NNE	.6	1.5	1.1	2.6	3.3	2.7	2.6	.2	.2	.4		15.4	19.4
NE	.6	1.4	2.0	3.1	2.2	3.0	1.9	1.1		.4		15.3	19.2
ENE	.2		.6	2.2	1.7	1.5	.5					6.9	17.9
E	.4	.5	1.0	2.4	2.2	1.7		.1				7.6	15.5
ESE	.5	.6	.4	1.5	2.5	.5						5.9	14.2
SE	.2	.7	.6	1.5	1.4	.1	.4					5.1	14.1
SSE	.4	.7	.5	2.0	.9	1.0	.1					5.7	14.0
S	1.4	1.0	.9	1.1	1.5	2.6	.2					8.7	15.0
SSW	.1	.5	.2	.6	.4							1.9	10.4
SW	.1	.4	.2	.1	.1							1.0	6.4
WSW		.4	.1									.5	5.5
W		.1	.4	.1								.6	8.8
WNW		.1	.1									.2	6.0
NW		.1	.1	.1								.4	8.0
NNW	.1	.1	.4	.2	.5		.2					2.1	14.6
VARBL													
CALM												11.5	
	5.0	8.8	9.8	20.8	17.7	13.9	7.3	3.0	1.5	.7		100.0	15.3

TOTAL NUMBER OF OBSERVATIONS

807

USAFETAC FORM 0-8-A OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

712120

CAPE ROMANZOF AFS AK

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (LST)

CONDITION

SPEED KNTS; DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	2.0	2.1	2.2	1.4	1.6	1.2	1.0			12.6	21.8
NNE	.4	1.1	1.7	4.1	2.6	2.1	2.6	.7	.4	.1		15.8	19.4
NE	.2	1.1	.7	3.0	3.2	2.8	2.0	.9	.1	.2		14.3	20.6
ENE	.1	.4	1.0	1.8	1.7	1.7						6.3	16.5
E	.6	.4	.7	2.2	2.3	1.5	.5					8.4	16.3
ESE	.5	.4	.4	2.0	1.7	1.1			.1			6.2	15.5
SE	1.0	.6	.7	1.0	.7	.5						4.6	11.2
SSE	.4	.9	.5	1.8	1.6	.9		.1				6.2	14.7
S	.5	.6	.9	1.8	1.6	1.5	.5					7.5	15.5
SSW	.2	.2	.6	.5	.4							2.0	10.2
SW	.1	.2	.5	.1								1.0	6.9
WSW		.2	.4	.1								.7	7.5
W		.4	.2									.5	5.6
WNW													
NW			.1	.1								.2	12.0
NNW			.5	.6	.4	.4						1.8	16.2
VARBL													
CALM												11.3	
	4.2	7.3	11.0	21.3	18.5	14.3	7.2	3.0	1.6	.4		100.0	15.5

TOTAL NUMBER OF OBSERVATIONS

611

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7.2127 CAPE ROMANZOF AFS AK

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-1100

CLASS

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	1.3	1.7	1.3	2.7	1.1	.5	.9	.4		10.8	21.7
NNE	.6	1.2	1.8	4.3	2.6	2.7	2.1	1.5	.1	.2		17.2	19.1
NE	.5	.2	.5	2.9	4.3	2.3	1.6	.6	.2			13.5	19.8
ENE	.2	.5	.6	2.5	1.7	1.7	.5					7.7	17.2
E	.6	.6	.4	2.2	2.7	1.1	.2	.1				8.3	16.2
ESE	.5	.4	.4	.2	1.5	.2	.1					3.3	14.3
SE	.4	.5	.2	3.7	1.3	.1	.1					6.5	13.7
SSE	.6	.5	.5	1.5	1.5	1.7	.2					5.8	15.7
S	1.0	1.6	1.0	2.0	2.3	1.1	.3					9.4	14.2
SSW	.6	.4	.9	.5	.4							2.7	8.8
SW		.4	.5									.9	7.0
WSW	.2	.4	.1									.7	4.7
W	.2	.1	.2									.6	5.0
WNW			.1	.2								.4	10.7
NW		.2	.4	.2								.9	9.7
NNW			.1	.4	.4	.1	.2					1.2	19.7
VARBL													
CALM												10.9	
	5.8	7.7	9.1	22.3	20.0	13.1	6.7	2.5	1.2	.6		100.0	15.1

TOTAL NUMBER OF OBSERVATIONS

815



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

752120 CAPE ROMANZOF AFS AK

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1700-1400

CLASS

NOON (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	.6	1.3	1.6	2.6	1.4	1.1	.8			15.7	22.2
NNE	.5	.3	1.6	2.8	4.1	3.4	2.5	1.0	.5	.4		17.1	21.7
NE	.4	.6	.6	3.1	2.6	.3	1.8	.4	.4	.3		10.4	19.9
ENE		.3	.5	1.8	2.1	1.1	.6	.1	.1			6.6	18.8
E	.5	.5	1.4	2.9	1.9	1.8	.5		.1			9.3	16.3
ESE	.1	.8	.4	1.8	1.8	.5						5.3	14.2
SE	.5	.9	.1	2.1	1.4	.1						5.1	12.3
SSE	1.1		.3	2.5	1.0	.5	.1					5.8	13.4
S	.9	1.0	1.3	2.5	1.4	2.5	.6					10.2	15.5
SSW	.3	.1	1.0	.9								2.3	9.9
SW		.1	.1	.4								.6	10.2
WSW			.1	.1								.3	10.0
W			.1	.1								.3	11.5
WNW	.1	.3	.5	.1								1.0	7.4
NW			.6	.3								.9	10.0
NNW	.1	.1	.4	.5		.3						1.4	12.4
VARBL												12.7	
CALM													
	4.9	5.8	9.9	23.1	17.9	13.0	7.5	2.6	1.9	.6		170.0	15.4

TOTAL NUMBER OF OBSERVATIONS

797

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

770120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	1.1	1.4	2.7	2.1	2.3	.3	.6			11.9	22.5
NNE	.6	1.1	.6	2.9	2.9	3.5	1.4	1.8	.8	.2		15.9	21.5
NE	.5	.2	1.6	2.3	5.0	1.4	1.5	.5	.3		.2	12.9	19.3
ENE	.3	.5	.3	2.6	1.3	1.3	.3	.5				7.1	17.6
E	1.1	.5	1.0	1.9	3.5	2.1	.5					10.6	16.3
ESE	.3	.5	.2	1.4	.3	.5						3.2	13.2
SE	.3	.5	1.3	2.3	1.6	.5						6.4	13.6
SSE	1.4	.2	.8	1.6	1.4	1.5	.3					6.8	14.2
S	.2	2.4	.6	1.3	1.9	1.9	.6					9.3	15.3
SSW	.3	1.0	.3		.3							1.9	7.2
SW	.5	.2										.6	2.8
WSW		.6	.2									.8	5.8
W				.2								.2	11.0
WNW				.3								.3	13.0
NW	.2		.5	.2								.8	7.6
NNW		.3	.8	.2								1.3	8.1
VARBL													
CALM												10.1	
	6.3	8.2	9.3	19.5	21.1	14.3	6.4	3.5	1.8	.2	.2	100.0	15.6

TOTAL NUMBER OF OBSERVATIONS

621

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73.127 CAPE ROMANZOF AFS AK

73,78-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-2000

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3	2.7	2.1	1.9	.5	1.3				9.8	19.8
NNE	.5	1.9	1.1	2.4	1.1	3.4	1.1	1.3	.3			13.5	19.5
NE	.8	1.1	1.3	1.3	5.0	1.9	1.6					13.0	17.3
ENE	.5	.3	1.1	1.1	2.4	1.1						6.4	15.2
E		1.1	2.7	2.7	5.0	1.9						13.3	15.8
ESE	.5	.5	.5	1.6	2.1	.5	.5					6.4	15.6
SE	.5	.8	1.6	1.9	2.1	.5						7.4	13.0
SSE	.5	.5	.8	2.7	1.6	.8						6.9	13.9
S	1.1	1.3		2.1	.8	.3						5.6	11.1
SSW	.3	1.3	.5	.3	.3	.5						3.2	10.5
SW	.3											.3	2.0
WSW													
W				.3								.3	11.0
WNW	.5											.5	2.5
NW			.5	.8	.3	.3						1.9	13.7
NNW		.3	.3	.3								.8	9.0
VARBL													
CALM												11.4	
	5.6	9.0	11.7	19.9	22.8	13.0	3.7	2.7	.3			100.0	14.0

TOTAL NUMBER OF OBSERVATIONS

377

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME74-81  
YEARSJAN  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	.4	.7	2.4	2.2	.7	2.6	1.8	.4	.6		12.3	23.6
NNE	.9	1.1	2.0	3.3	2.0	2.0	2.8	.9	.2		.4	15.7	19.5
NE	.9	.9	.9	2.2	3.5	2.0	1.3	.6				12.3	17.8
ENE		.6	.6	.9	1.8	1.5	.6					5.9	18.4
E	.9	.7	.7	3.1	2.9	3.1	.6					12.2	16.5
ESE	.2	.4	1.7	3.3	1.5	.6						7.6	13.7
SE	.4	.4	1.7	1.1	1.3		.2					5.0	12.2
SSE	.6	1.3	.4	1.8	1.1	.4			.6			6.1	14.5
S	1.5	1.5	.6	1.8	.7	.7	.2					7.0	11.1
SSW	.2	.6	.9	.6								2.4	9.2
SW		.2			.4							.6	10.0
WSW	.2		.2									.4	5.0
W			.2									.2	10.0
WNW			.7									.7	8.3
NW				.7	.4							1.1	15.5
NNW		.4	.2	.4	.2							1.1	11.5
VARBL												4.6	
CALM													
	6.3	8.3	11.4	21.7	18.2	11.0	8.1	3.3	1.1	.6	.4	100.0	15.2

TOTAL NUMBER OF OBSERVATIONS

543

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72120 CAPE ROMANZOF AFS AK 73-81 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
HOURS (L S T)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	1.2	2.1	1.7	1.9	1.7	1.2	.7	.1		11.3	22.2
NNE	.6	1.1	1.5	3.1	2.9	2.7	2.1	1.0	.3	.2	.1	15.6	19.9
NE	.5	.7	1.1	2.7	3.5	2.2	1.5	.7	.1	.1	.5	13.2	19.4
ENE	.3	.3	.6	1.9	1.9	1.4	.3	.1	.5			6.9	17.5
E	.6	.7	1.0	2.5	2.9	1.6	.3	.0	.0			9.7	15.9
ESE	.4	.5	.6	1.7	1.6	.6	.1		.5			5.5	14.4
SE	.5	.7	.7	1.9	1.3	.3	.1					5.4	13.1
SSE	.7	.6	.6	1.9	1.3	.8	.1	.0	.1			6.2	14.4
S	1.5	1.2	.9	1.8	1.6	1.7	.4					8.5	14.4
SSW	.3	.5	.6	.5	.3	.5						2.3	9.4
SW	.1	.2	.2	.1	.1							.7	7.3
WSW	.1	.2	.2	.0								.5	6.0
W	.7	.1	.2	.1								.4	7.6
WNW	.1	.1	.2	.1								.4	8.1
NW	.0	.1	.3	.4	.1	.0						.8	11.4
NNW	.0	.1	.3	.5	.3	.1	.1					1.4	14.7
VARBL													
CALM												11.2	
	5.3	7.7	13.2	21.3	19.3	13.4	6.7	3.1	1.3	.5	.1	100.0	15.2

TOTAL NUMBER OF OBSERVATIONS 5542

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120

CAPE ROMANZOF AFS AK

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6	1.7	2.5	3.6	2.7	1.0	.3	.1	.7	14.0	25.8
NNE	.8	.8	2.0	4.2	3.5	4.5	3.0	1.4	.6			20.9	20.3
NE	1.3	1.1	1.4	2.0	1.8	2.3	2.4	1.8	.3			14.4	20.0
ENE	.7	.7	1.4	.8	2.0	1.3	.4	.3				7.6	15.9
E	.7	.6	.8	1.7	2.0	.8	.1					6.8	14.4
ESE	1.0	.7	1.1	1.7	1.3	.4						6.2	11.7
SE	.7	.6	1.0	1.1	.8	.3	.1					4.7	11.9
SSE	.3	.8	.3	.7	.8	.7						3.7	13.7
S	.1	.6	.4	1.3	.6	.3	.1					3.4	13.5
SSW	.4	.3										.7	3.2
SW	.1		.1									.3	6.5
WSW		.1		.1								.3	6.5
W		.1	.7	.1								1.0	9.1
WNW			.7									.7	8.6
NW		.1	.4			.3	.1	.4				1.4	21.4
NNW	.1			.1	.7	.8	.3					2.1	21.3
VARBL													
CALM												12.0	
	6.3	7.2	11.0	15.7	16.1	15.5	9.3	4.9	1.1	.1	.7	170.0	16.1

TOTAL NUMBER OF OBSERVATIONS

709

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	.8	3.1	3.0	3.1	2.6	.5	.8		.8	15.5	24.1
NNE	.3	.9	2.3	6.8	4.6	3.7	1.8	1.5	.5			22.4	19.1
NE	.1	.8	1.2	2.4	2.6	2.4	1.6	1.9				13.2	21.0
ENE	.5	.3	.7	1.1	1.9	.9	.7	.5				6.6	18.6
E	.3	.5	1.8	3.0	.9	1.2	.5					8.3	14.8
ESE	.8	.4	.8	1.8	1.1	.7	.3		.1			6.0	14.2
SE	.9	.8	.7	.4	.5	.1		.3				3.8	10.3
SSE	.7	.1	.6	1.1	.8	.4						3.9	13.0
S	1.1	.7	.5	.7	.5	.4	.1					4.1	11.2
SSW	.3	.5	.3									1.1	4.6
SW	.1	.3	.3									.7	6.0
WSW	.3	.1	.3									.7	5.2
W		.5	.3									.3	6.2
WNW			.3									.3	8.0
NW			.1	.1		.1	.5					.9	24.0
NNW			.3		.4	.5	.4	.1				1.8	23.5
VARBL													
CALM												10.0	
	5.7	6.5	11.4	27.5	10.4	13.7	8.5	4.9	1.5		.8	100.0	16.3

TOTAL NUMBER OF OBSERVATIONS

737

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

3600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.1	2.5	2.7	2.1	1.3	1.1	.7	.5	.5	13.3	74.2
NNE		.9	2.5	2.9	4.3	5.9	2.1	2.1	.7			21.3	21.8
NE	1.1	.4	.9	3.6	2.7	2.3	2.3	1.3	.1			14.7	19.8
ENE	.4	.4	.5	1.7	1.7	1.2	.5	.3	.3			7.5	17.7
E	.5	.7	1.3	2.8	.8	.9	.3					7.4	13.3
ESE	.8	.7	.7	1.7	.9	.1						5.3	10.7
SE	.5	.7	.4	1.7	.1		.1					3.6	10.7
SSE	.5	.7	1.1	1.7	.8	.7	.1					3.6	12.8
S	1.3	.7	.1	.4	.3	.4	.1					3.8	11.0
SSW	.5	1.1	.3									1.9	4.5
SW	.1	.4										.5	4.5
WSW		.1	.1									.3	6.0
W		.1	.4	.1								.7	8.8
WNW	.1	.1	.1	.3								.7	8.0
NW			.1	.1	.1	.1	.1					.7	19.4
NNW		.3	.4	1.1	.3	.8	.3					3.1	17.2
VARBL													
CALM												10.3	
	6.2	8.2	9.7	23.9	14.7	15.0	7.4	4.8	1.7	.5	.5	170.3	16.3

TOTAL NUMBER OF OBSERVATIONS

746



3 GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

732120

CAPE ROMANZOF AFS AK

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-1100

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.4	2.3	1.7	1.6	2.0	1.1	.4	.4	.4	11.1	24.5
NNE	.4	.9	2.4	5.1	3.7	5.1	3.2	2.0	.5	.1		23.5	20.8
NE	.5	.9	1.9	3.1	2.5	2.0	2.7	1.5	.1			18.2	19.7
ENE	.3	.3	.4	1.6	1.7	.9	.4			.1		5.7	17.5
E	.1	.4	1.1	3.1	1.5	.5						6.7	14.0
ESE	.4	.4	.9	1.5	.5	.1						3.9	11.7
SE	.8	.7	.9	1.9	.3							4.5	9.6
SSE	.9	1.1	1.2	.9	.5	1.3		.1				6.1	12.7
S	.7	1.5	.4	.4	.4	.4	.3					4.4	11.2
SSW	.4	.4	.1									.9	4.4
SW	.1	.4	.1									.7	5.2
WSW			.5	.1								.7	9.0
W	.3	.1		.1								.5	5.3
WNW		.1										.1	5.0
NW	.1			.4	.1			.1	.1			.9	20.0
NNW			.5	.9	.5	.4	.3					2.7	17.3
VARBL													
CALM												12.4	
	5.3	7.7	10.9	21.3	14.0	12.4	8.8	4.8	1.2	.7	.4	100.0	15.5

TOTAL NUMBER OF OBSERVATIONS

750

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	1.5	1.9	2.7	2.5	1.5	1.1	.7	.1	.4	13.2	22.6
NNE	.3	.3	2.5	3.5	4.8	5.5	1.9	1.8	.8			20.9	21.5
NE	.7	.8	.4	2.9	2.3	3.8	2.3	1.5	.3			15.3	21.2
ENE	.4	.1	.8	1.8	.5	.5	.1		.1			4.5	14.8
E	.3	.4	1.5	4.1	1.4	.5						8.2	13.6
ESE	.5	.5	.1	1.2	.3	.1	.1	.1				3.1	12.3
SE	.8	.7	1.1	.8	.8	.1						4.4	10.2
SSE	.4	.8	1.1	1.2	.7	1.4	.3					5.9	14.7
S	.7	1.5	.5	1.2	.8	.1	.1					5.3	10.5
SSW	1.3	1.2	.3	.3								2.7	5.4
SW	.3	.1		.1								.5	5.8
WSW	.1		.1	.1								.4	8.7
W	.1		.4									.5	6.8
WNW						.1						.1	26.0
NW	.1			.1			.1	.1	.1			.7	24.6
NNW	.1	.1	.1	.1	.8	.7	.3			.3		2.5	22.4
VARBL												12.1	
CALM													
	6.3	7.6	10.0	19.5	15.1	15.3	6.8	4.6	2.0	.4	.4	100.3	15.7

TOTAL NUMBER OF OBSERVATIONS

733

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

732120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-91  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.5	1.6	3.8	3.6	1.9	1.1	.3		.3	13.5	23.4
NNE	.3	1.3	2.7	3.3	3.1	4.6	2.8	1.9	.5			25.4	20.6
NE	.3	.8	1.7	3.0	2.2	3.3	2.2	1.7				15.2	20.4
ENE	.6		.8	1.3	.9	.8	.6	1.1				6.1	19.6
E	.6	.8	1.9	2.7	.6	.8	.3	.2				7.8	13.6
ESE	.5	.8	.6	.6	.9	.3		.5				4.2	14.0
SE	.9	.9	.8	1.3	.3	.5	.2					4.9	10.7
SSE	.3	.0	1.1	1.6	1.4	.5						5.8	13.2
S	.6	.9	.3	.3	1.1	.5		.3				4.2	13.3
SSW	.3	.2	.3	.2								.9	6.3
SW		.3		.3								.6	9.0
WSW	.5											.5	2.7
W		.7	.2									.5	7.0
WNW		.3										.3	4.5
NW	.2		.2	.3		.5	.2					1.1	16.0
NNW				.2	.6	.5			.2	.3		1.9	29.3
VARBL													
CALM												11.9	
	5.5	7.7	11.0	16.5	15.1	15.9	8.2	6.8	.9	.3	.3	170.0	16.1

TOTAL NUMBER OF OBSERVATIONS

637

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7.2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73,75,78-81  
YEARS

FEB  
MONTH

ALL WEATHER

1800-2000  
HOURS (LST)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3			1.5	3.3	2.3	2.0	1.3	.3			10.6	24.0
NNE	1.3	1.3	2.5	3.3	3.3	4.5	2.3	1.8	.5			23.7	19.4
NE	1.3	1.3	3.5	2.3	2.3	3.0	1.8	2.8				17.9	19.2
ENE	1.3	.5	1.8	1.8	.8	1.3	1.5	.3		.5		9.3	17.5
E	1.3	.8	.5	3.8	.5	.8	.3					7.8	12.5
ESE	1.5	1.0	1.0	1.5	.3	.3	.5					6.1	10.9
SE	1.0	.8	.8		.3	.3						5.8	10.6
SSE	1.3	.8		1.5	1.8	.8						6.1	13.0
S	2.3	1.3	.5	.5	.3							4.5	6.2
SSW	.3	.3										.5	4.0
SW	.3											.3	2.0
WSW													
W	.3											.3	3.0
WNW													
NW						.3	.5	.5				1.3	31.8
NNW									.3			.3	48.0
VARBL													
CALM												8.6	
	11.9	7.8	10.6	18.7	12.6	12.9	8.8	6.6	1.0	.5		100.0	15.5

TOTAL NUMBER OF OBSERVATIONS

396

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 2120 CAPE ROMANZOF AFS AK

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.2	1.3	2.9	2.9	2.1	1.3			.4	12.7	23.5
NNE	.4	1.9	2.1	2.5	2.9	4.3	2.9	2.3	.2			20.5	20.9
NE	.6	.6	1.7	2.3	2.9	3.1	3.5	1.3	.4	.2		16.5	21.7
ENE	.6	.6	.8	.6	.9	.6	.4	.8				5.0	17.0
E	1.0	1.3	1.5	1.9	1.7	.8						7.3	12.4
ESE	1.3	1.5	1.7	1.9	2.1							8.1	11.0
SE	.8	.4	.6	1.9	.2	.4						4.2	11.7
SSE	.8	1.3	.4	1.0	.5	.6	.2					4.8	11.6
S	.8	.6	.4	.8	.6	.2						3.3	10.1
SSW	.2											.7	3.0
SW	.2	.2	.4	.2								1.0	7.2
WSW	.2	.2	.2									.8	5.0
W			.4									.4	9.0
WNW		.2										.2	4.0
NW	.4			.2		.2	.4		.2			1.3	21.6
NNW		.6	.2	.6	.8	.4	.2		.4			3.1	19.9
VARBL													
CALM												11.2	
	7.3	8.0	11.0	15.2	15.4	13.9	9.6	5.8	1.2	.2	.4	100.3	15.9

TOTAL NUMBER OF OBSERVATIONS

519

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

707120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.7	2.1	2.8	2.7	2.5	1.5	.5	.2	.5	13.1	24.0
NNE	.4	1.7	2.3	4.1	3.9	4.8	2.5	1.8	.6	.5		21.3	20.6
NE	.7	.8	1.5	2.7	2.4	2.7	2.3	1.7	.2	.5		15.1	25.4
ENE	.6	.4	.8	1.3	1.4	.9	.5	.4	.1	.1		6.4	17.4
E	.5	.6	1.3	2.9	1.2	.5	.2	.5				7.5	13.7
ESE	.3	.7	.8	1.5	.8	.7	.1	.1	.5			5.2	15.1
SE	.8	.7	.8	1.4	.4	.2	.1	.5				4.4	15.7
SSE	.6	.8	.8	1.2	.9	.2	.1	.6				5.2	13.1
S	.9	1.5	.4	.7	.6	.4	.1	.5				4.1	11.1
SSW	.4	.5	.2	.1								1.2	4.8
SW	.2	.3	.1	.1								.6	6.1
WSW	.1	.1	.2	.1								.4	6.5
W	.1	.3	.3	.1								.6	7.3
WNW	.5	.1	.2	.5		.5						.3	8.4
NW	.1	.5	.1	.2	.5	.2	.2	.1	.1			1.5	22.5
NNW	.5	.1	.2	.4	.5	.6	.2	.5	.1	.1		2.3	21.1
VARBL												11.2	
CALM													
	6.5	7.7	10.7	16.7	15.1	14.3	8.4	5.3	1.4	.3	.5	170.0	15.9

TOTAL NUMBER OF OBSERVATIONS

5227

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

700120 CAPE ROMANZOF AFS AK 73-81 MAR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0000-0200  
CLASS HOURS (LST)  
CONDITION

SPEED (KNTS DIR)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	1.7	2.9	2.6	1.6	1.2	.5	.1			12.4	17.0
NNE	.5	1.5	2.1	3.4	2.9	2.2	2.7	.4	.1			15.1	17.3
NE	.5	1.3	1.9	4.1	2.6	2.4	1.2	1.3	.4			15.4	18.9
ENE	.1	.4	.7	2.5	2.7	.7	.5	.2	.1	.2		6.1	17.8
E	.2	.5	1.7	3.6	2.9	1.6						10.0	14.8
ESE	.5	.7	1.0	1.4	1.2	.5						5.4	12.9
SE	.1	.7	1.1	1.4	1.0	1.1	.9					6.4	16.4
SSE	.1	.7	1.3	.4	1.7	.7						4.7	14.2
S	.4	1.2	.9	1.3	.6	.2	.6					5.3	13.3
SSW			.4	.5		.1						1.0	13.5
SW													
WSW													
W													
WNW	.2											.2	2.0
NW		.4		.1								.5	8.3
NNW	.1	.2	.2	.6	1.3	1.4		.1				3.4	17.3
VARBL													
CALM												12.5	
	3.9	8.1	12.9	21.8	19.4	11.7	6.5	2.2	.7	.2		100.3	14.4

TOTAL NUMBER OF OBSERVATIONS

831

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

3300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.4	2.4	2.6	1.7	.7	1.2				11.6	17.8
NNE	.5	1.7	2.8	2.6	3.2	1.6	2.0	1.5	.1			15.5	17.6
NE	1.0	1.1	2.6	3.7	2.5	1.6	1.2	.7	.1	.4		14.9	17.0
ENE	.7	.2	.6	2.5	2.5	1.4	.4	.2				9.6	16.5
E	.7	.2	2.3	3.2	1.8	1.3	.4	.2				10.2	14.8
ESE	.4	.5	.6	2.2	1.2	.7						5.0	13.5
SE	.1	.7	1.3	2.2	1.1	1.1	.7					7.2	15.8
SSE	.1	.6	.5	1.1	1.0	1.7						5.2	16.0
S	.1	.7	.5	1.0	.4	.7	.2					3.1	13.0
SSW	.4	.1	.1	.6								1.2	8.8
SW	.1		.1	.1								.4	7.7
WSW	.1											.1	2.0
W	.1		.1									.2	5.0
WNW		.1	.2									.4	8.7
NW	.1	.1	.2									.5	6.3
NNW		.2	.2	1.6	.6	.2						2.9	14.6
VARBL												13.1	
CALM													
	4.9	7.7	13.7	23.1	16.9	11.0	5.6	3.4	.2	.4		100.0	13.9

TOTAL NUMBER OF OBSERVATIONS

634



1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME73-81  
YEARSMAR  
MONTHALL WEATHER  
CLASS2600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.3	2.8	2.4	1.1	.6	.5	.4			9.5	18.3
NNE	.1	.7	2.2	3.8	2.9	2.6	1.2	1.0	.1			14.6	18.5
NE	.4	.6	1.9	4.4	2.2	2.6	1.4	1.0		.2		14.7	18.9
ENE	.2	.5	1.8	2.8	1.7	1.2	.2	.1				8.5	15.3
E	.4	.1	2.0	3.2	2.6	1.7	.4					9.7	15.5
ESE	.6	.6	1.1	1.1	.8	.7						4.9	12.9
SE	.8	1.1	.8	2.0	1.6	.8	.4					7.6	13.6
SSE	.8	.4	.8	1.2	1.3	.4	.1					5.3	13.1
S	1.1	.8	.7	1.6	.6	.6	.1					5.5	11.2
SSW	.6	.2	.2	.2								1.3	5.4
SW					.2							.2	18.5
WSW													
W		.1										.1	5.0
WNW		.1	.4									.5	7.5
NW	.1	.1	.6	.4	.5							1.7	12.1
NNW	.1	.2	.5	1.3	.1	.1		.4				2.8	15.3
VARBL													
CALM												13.3	
	5.5	5.9	14.4	24.8	16.9	11.2	4.4	2.9	.5	.2		100.0	13.7

TOTAL NUMBER OF OBSERVATIONS

834

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120

CAPE ROMANZOF AFS AK

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	1.6	3.0	2.4	1.2	.5	.5				9.8	16.7
NNE	.5	1.1	2.5	4.4	3.5	3.2	1.6	.5	.1			17.3	17.4
NE	.7	.8	1.3	2.5	2.2	2.4	1.4	.8	.2	.2	.1	12.8	20.0
ENE	.2	.4	1.6	2.2	1.7	1.3	.4	.1				7.8	15.8
E	.2	.2	1.6	2.5	2.6	1.2						8.5	15.2
ESE	.5	.2	.1	2.2	1.1	.4	.1					4.6	14.3
SE	.2	.5	1.4	1.7	1.1	.7	.2					5.9	13.9
SSE	.2	.1	.5	1.7	2.2	1.0	.1					5.8	16.6
S	1.0	1.0	1.4	1.8	.6	.1	.1					6.3	10.5
SSW	.8	.4	.4			.1						1.7	5.6
SW	.2	.5				.2						1.3	8.4
WSW	.1	.2	.1									.5	4.5
W		.2	.5									.7	6.8
WNW	.1	.5	.2									.8	5.6
NW		.1	.1	.4				.1				.6	16.8
NNW	.2	.1	.5	1.7	.4		.1	.1				3.1	13.8
VARBL													
CALM												13.2	
	5.5	6.6	13.8	24.1	17.6	11.9	4.4	2.2	.4	.2	.1	100.0	13.6

TOTAL NUMBER OF OBSERVATIONS

834

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.7	3.8	2.1	1.9	1.0	.5				11.0	17.3
NNE	.2	.2	2.7	4.2	5.3	4.0	1.5	.6				18.8	18.4
NE	.2	.6	2.3	2.8	2.5	1.6	1.0	.8		.2		12.1	18.1
ENE	.4		.8	1.2	1.5	1.9	1.0	.2				7.3	19.3
E	.1	.1	.8	2.3	2.1	.7	.1					6.3	15.7
ESE	.2	.8	.6	1.8	1.1	.7	.1					5.0	13.0
SE	.5	.4	1.1	1.9	1.5	.7	.2					6.3	14.7
SSE	.1	.4	.4	1.7	2.3	.4						5.2	15.4
S	1.9	1.0	1.1	1.3	.8	.2	.2					6.7	9.7
SSW	.6	.6	.1	.2								1.6	5.2
SW	.5	.4	.5			.1	.2					1.7	9.6
WSW	.1		.1									.2	5.5
W	.2	.2	.4									.8	6.1
WNW	.1	.4										.5	4.3
NW		.5	.2	.1			.1	.1				1.1	13.3
NNW	.1	.2	.4	1.5	.6	.1	.2					3.2	15.0
VARBL													
CALM												11.6	
	5.6	6.7	13.2	22.9	19.8	12.0	5.7	2.3		.2		120.0	14.0

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	2.8	2.5	2.8	2.2	.9	.5	.1	.1		12.8	17.7
NNE	.5	.7	3.0	4.7	4.5	4.8	2.6	1.2				22.3	19.0
NE	.1	.1	1.3	4.5	2.9	2.2	.7	.9				12.7	18.7
ENE	.1	.1	1.6	2.2	1.5	1.3	.5	.3				7.2	16.9
E	.4	.3	1.4	3.0	1.0	.7	.3					7.1	14.1
ESE	.3		1.2	1.8	1.0	.3						4.6	13.7
SE	.5	.1	.3	1.8	1.6	.8	.3	.3				5.6	16.0
SSE	.1	.5	.8	1.6	1.8	.4	.1					5.4	14.9
S	.8	1.6	1.0	.3	.7	.3						4.6	9.2
SSW	.5	.4	.7	.1								1.7	6.2
SW	.1	.3	.1			.3	.1					.9	14.3
WSW		.3	.1									.4	6.7
W	.3	.4	.1									.8	4.2
WNW	.1	.3	.4									.8	6.3
NW		.4	.1	.1				.1				.8	12.5
NNW			.3	.9	.8	.3	.4	.1				2.8	19.0
VARBL													
CALM												9.8	
	3.9	6.3	15.2	23.6	18.1	13.2	6.2	3.4	.1	.1		170.0	14.8

TOTAL NUMBER OF OBSERVATIONS

763

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7.120 CAPE ROMANZOF AFS AK

73,75-81

4AD

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

1800-2000

CLASS

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.8	2.2	1.3	2.5		.4				8.7	17.2
NNE		1.5	2.9	6.6	4.4	5.1	3.3	1.1	.2			25.3	19.2
NE	.7	.4	1.5	4.4	2.4	1.3	.4	1.3	.2			12.4	17.5
ENE	.2	.2	.4	4.2	2.7	1.3	.5	.4				9.3	18.0
E		.2	1.5	4.2	2.2	.5	.2					8.7	15.0
ESE	.4	.7	1.8	2.2	1.5	.5						7.1	12.9
SE	.2		1.1	2.4	.7	1.1	.7					6.2	16.8
SSE	.2	.4	.5	.7	2.2	.5						4.6	15.4
S	.4	1.3	1.1	.5	1.1							4.4	10.3
SSW	.4	.2	.7									1.3	6.3
SW	.2	.2			.4	.2						.9	13.4
WSW	.2											.2	2.0
W	.5	.2										.7	3.5
WNW	.2			.2								.4	8.0
NW	.2			.2								.4	7.0
NNW		.3		.4	.2	.4						1.1	15.7
VARBL													
CALM												8.2	
	3.6	5.8	13.3	28.1	10.9	13.5	5.1	3.1	.4			100.3	15.1

TOTAL NUMBER OF OBSERVATIONS

549

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

700120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME70-81  
YEARSMAP  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	2.6	2.9	2.1	2.6	1.6	.3				12.9	17.2
NNE	.8	.5	2.7	4.1	4.5	4.0	1.9	.8				19.5	18.8
NE		1.1	.8	2.9	1.6	1.8	1.8	1.4	.2	.2		11.5	20.7
ENE	.2	.3	1.3	3.3	2.2	1.1	1.0	.3				9.4	17.5
E	.2	.5	1.3	4.3	1.9	.6						8.8	14.2
ESE	.2	.5	.5	1.9	1.0	.5						4.6	13.5
SE		.3	.5	2.2	1.3	.8	.6	.2				5.9	17.7
SSE	.2		1.4	1.8	1.6	.8	.5					6.2	16.0
S		.5	1.0	1.4	.5	1.1	.3					4.8	15.4
SSW	.2	.3	.3	.2								1.0	7.0
SW				.3								.3	15.5
WSW	.2											.2	2.0
W													
WNW		.2	.2									.3	6.5
NW			.2			.2						.3	16.5
NNW		.2	.2	.3	.3	.8	.3	.2				2.2	21.4
VARBL													
CALM												12.1	
	2.1	5.1	12.8	25.4	16.9	14.2	8.0	3.2	.2	.2		100.0	15.2

TOTAL NUMBER OF OBSERVATIONS

627

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70120 CAPE ROMANZOF AFS AK

73-81

MAP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.8	2.8	2.3	1.8	.8	.6	.1	.0		11.2	17.4
NNE	.4	1.0	2.6	4.1	3.9	3.3	1.9	.8	.1	.0		18.1	18.3
NE	.5	.7	1.7	3.6	2.4	2.0	1.2	1.0	.1	.2		13.8	18.7
ENE	.3	.3	1.1	2.5	2.0	1.3	.5	.2	.0			8.2	17.1
E	.3	.3	1.6	3.2	2.2	.9	.2	.0				6.7	16.6
ESE	.4	.5	.8	1.8	1.1	.8	.0					5.1	13.7
SE	.3	.5	1.0	1.9	1.2	.9	.5	.0				6.4	15.5
SSE	.2	.4	.7	1.3	1.7	.7	.1					5.3	15.2
S	.7	1.0	1.0	1.1	.6	.3	.2					5.0	11.3
SSW	.4	.3	.3	.2		.0						1.4	6.9
SW	.1	.2	.1	.0	.1	.1	.0					.7	1.2
WSW	.1	.1	.0									.2	0.6
W	.1	.1	.1									.4	5.3
WNW	.1	.2	.2	.0								.5	6.1
NW	.0	.2	.2	.2	.1	.0	.0	.0				.8	12.0
NNW	.1	.2	.3	1.1	.5	.3	.1	.1				2.8	16.2
VARBL													
CALM												11.9	
	4.5	6.6	13.7	24.0	18.0	12.2	5.7	2.9	.3	.2	.0	170.0	14.3

TOTAL NUMBER OF OBSERVATIONS

6067

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7 2120 CAPE ROMANZOF AFS AK

73-81

APR

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

000-0200

CLASS

MOUSE (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	1.2	2.8	1.7	1.6	.6					13.3	14.3
NNE	.6	1.7	2.1	7.8	5.7	4.1	.9	.1				23.3	16.7
NE	.5	.8	2.6	3.9	2.8	1.4	.3					12.3	14.7
ENE	.6	.5	1.3	2.2	1.4	.1						6.2	12.0
E	.3	.6	1.8	1.0	.3	.6						4.7	11.3
ESE		.6	.5	1.2	.6	.5						3.3	13.9
SE	.3	.8	1.6	1.4	.6	1.3	.3					5.7	15.2
SSE	.4	.3	1.7	2.3	1.7	1.0	.4	.1				7.9	15.2
S	.6	.6	.5	1.9	.3	1.6	.4					6.3	14.9
SSW		.1	.1	1.6		.1						1.9	13.9
SW		.3	.1	.9	.1	.3						1.7	13.9
WSW		.1		.1								.3	6.0
W	.1	.3	.5									.9	6.0
WNW		.4		.1								.5	7.0
NW		.3	.1	.5	.3	.3						1.4	13.9
NNW	.1	.4	.1	.6	.1	.1	.3	.5				2.3	19.3
VARBL													
CALM												11.4	
	4.8	8.5	14.2	28.5	15.7	13.1	3.1	.8				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

773



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

702140 CAPE ROMANZOF AFS AK

73-91

AFD

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-1500

CLASS

HOURLY (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	1.5	1.1	1.7	1.6	.7					7.8	16.2
NNE	.9	1.7	3.7	5.4	4.9	4.2	1.0	.1				22.0	15.6
NE	.1	.7	2.2	3.7	4.2	1.1	.4					13.5	15.3
ENE	.5	.9	1.9	2.5	1.5	.2	.2					7.7	12.1
E	.9	.7	1.6	1.6	.5	.5	.2					6.2	11.3
ESE	.1	.4	1.0	1.7	.5	.5	.1					3.6	13.4
SE		.1	1.7	3.1	.9	1.4	.1					6.3	15.5
SSE	.2	.7	.7	1.6	1.6	1.3	.6					6.5	16.1
S	.5	.4	1.6	1.2	1.4	.6						5.9	13.7
SSW		.2	.1	.4	.9	.3						1.9	16.2
SW	.1	.4	.1	.4	.5							1.2	10.3
WSW	.1	.2	.4	.2	.1							1.1	9.4
W	.1	.2										.4	5.0
WNW		.2	.2	.1								.5	8.2
NW		.5	.5	.4	.4	.2	.2	.4				2.0	11.4
NNW		.1	.5	.4	.4	.2	.2	.4				2.7	18.5
VARBL												11.7	
CALM													
	4.1	8.4	17.8	22.8	18.9	12.1	3.7	.5				170.0	12.9

TOTAL NUMBER OF OBSERVATIONS

610

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

700120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

3630-0000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	1.4	3.1	1.2	1.4	.7	.4				9.3	16.2
NNE	.9	1.6	2.2	5.7	4.2	4.4	1.2	.1				35.4	16.4
NE	1.3	1.0	2.5	4.6	3.7	1.5	.1					14.3	14.0
ENE	.1	.7	1.0	1.9	.7	.2						6.7	12.2
E	.5	1.7	1.7	.7	1.8	.4						5.7	11.4
ESE	.4	.7	1.2	1.4	.2	.7	.2					4.9	12.8
SE	.5	.5	1.4	.6	1.0	1.0						4.9	13.7
SSE	.2	.4	.7	1.7	2.0	.9	.7	.1				6.8	17.2
S	.7	.6	1.0	1.3	2.3	.4						6.3	13.3
SSW	.5	.1		.4	.6	.1						1.7	12.4
SW	.5	.1		.4	.2	.4						1.6	12.4
WSW	.1	.1										.2	8.3
W	.2	.4	.2									.9	5.7
WNW		.1	.6	.1								.9	8.3
NW	.1	.6	.1	.2		.4						1.5	10.6
NNW			.7	.4	.2	.5		.4				2.2	10.3
VARBL												13.3	
CALM													
	6.2	8.9	14.8	22.6	17.9	12.2	3.1	1.0				100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

815

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

700120 CAPE ROMANZOF AFS AK

73-81

8PR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	2.0	4.2	1.5	2.5	.5	.2				11.5	16.1
NNE	.6	.9	2.5	4.9	4.1	4.5	1.1	.1				18.2	16.7
NE	.4	1.5	2.1	3.8	3.2	.8						11.5	13.4
ENE		.5	.5	1.5	.5	.2	.1					3.3	13.4
E	.4	.2	1.9	1.4	.6	.6						5.1	12.4
ESE	.2	.7	1.4	1.0	.5	.6	.2					4.7	13.0
SE	.4	1.1	1.1	1.7	.6	.4	.1					5.4	11.7
SSE	.4	.3	1.7	2.0	1.2	.9	.9					7.2	15.6
S	1.2	2.1	1.2	1.6	2.0	.7						8.9	11.1
SSW	.2	.4	.1	.6	.4	.1						1.9	11.9
SW	.5	.2		.9		.1						1.7	9.7
WSW	.1	.1			.1	.1						.5	12.3
W	.4	.5	.4	.1								1.4	5.6
WNW	.2	.1	.1									.5	5.0
NW	.1	.6	1.5		.1	.2						2.1	9.2
NNW	.2	.2	.5	.7	.7	.2	.1	.4				3.3	16.1
VARBL													
CALM												12.5	
	5.7	10.5	15.8	24.5	15.6	11.6	3.1	.7				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

879

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

700120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	3.2	4.0	3.5	1.6	.5	.2	.1			12.7	15.6
NNE	1.2	2.5	3.8	5.2	6.2	4.7	.4	.1				22.8	15.3
NE	.1	.7	2.1	2.8	2.3	1.0	.2					9.4	14.9
ENE	.1	.5	.7	.7	.2	.2	.4					3.8	13.6
E	.1	1.1	1.6	1.6	.2	.2						4.9	10.3
ESE	.4	.2	.6	2.0	1.4	.5	.2					5.3	14.8
SE	.5	.6	1.2	1.7	.4	.1	.1					4.7	11.2
SSE	.2	.4	.2	1.5	1.0	1.1	.4					4.8	17.0
S	1.2	1.6	1.2	1.7	1.2	1.0	.1					8.1	11.9
SSW	.5	.7	.2	1.2	.2							3.0	9.8
SW	.6	.5	.5	1.1	.2							3.0	9.2
WSW		.6	.4		.1							1.1	7.4
W	.1	.6	.7	.4								2.1	7.1
WNW		.6	.7									1.4	6.8
NW	.2	.1	.6	.4	.4							1.7	10.3
NNW	.2	.5	.9	.6	.6	.2	.2	.1				3.5	13.6
VARBL													
CALM												8.5	
	5.8	11.6	18.9	24.9	17.0	10.0	2.6	.5	.1			100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

810

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120 CAPE ROMANZOF AFS AK

73-81

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	3.1	3.5	2.8	1.8	.5	.1				14.0	14.5
NNE	.3	1.4	2.8	4.8	7.2	3.4	1.3					11.3	16.8
NE	.3	.8	2.6	2.9	3.1	1.4	.1					11.2	14.7
ENE		.7	1.0	1.5	.9	.5	.3					4.4	14.9
E		.3	1.6	1.5	.4	.4	.1					4.3	13.4
ESE	.3	.4	.9	1.1	.8	.5						3.9	13.2
SE	.1	.8	1.0	1.5	.6	.6						4.7	13.4
SSE		.8	.8	1.6	.6	1.3	.1					5.2	16.0
S	1.5	.5	.8	1.9	.8	1.1	.3					6.8	13.0
SSW	.3	.6	1.3	1.6								3.3	9.3
SW	.5	.4		1.0	.3							2.1	9.8
WSW	.3	.9		.1								1.1	5.3
W	.1	.1	.9	.3								1.4	7.5
WNW	.1	.4	.4		.4							1.3	10.4
NW	.3	.6	.6	.4	.1	.3						2.3	15.1
NNW	.1	.0	.6	.8	.5	.5		.3				3.4	14.9
VARBL													
CALM												9.2	
	4.2	10.5	18.4	24.6	18.4	11.7	2.8	.4				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

794

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7 120

CAPE ROMANZOF AFS AK

73-81

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	2.6	3.3	1.8	2.3	.5	.3				12.5	15.1
NNE	.2	1.5	3.3	5.7	6.8	5.1	1.1					73.5	16.8
NE	.2	.5	2.0	3.0	2.7	.8	.5					8.5	14.9
ENE		.5	1.7	2.1	.5	.2						5.1	11.2
E	.2	.3	1.1	1.7	.8	.8	.3					5.1	15.4
ESE	.2	.3	1.7	.6	.8		.3					4.2	11.9
SE		.8	1.1	1.5	2.0	.6	.2					6.3	14.9
SSE	.5	.9	.6	1.7	.8	1.7	.5					6.3	15.7
S	.5	.9	.9	1.5	.9	.8	.8					5.3	14.6
SSW	.5	1.4	.9	1.2								3.9	7.8
SW	.3		.2	.5								.9	7.8
WSW			.3	.3								.6	10.8
W		.7	.3									.8	5.8
WNW	.2	.5	.5	.2								1.2	6.3
NW	.2	.7	.3	.6	.3							1.5	11.6
NNW	.2	.7	1.1	.5	.3	.3	.3	.2				3.6	13.2
VARBL												0.2	
CALM													
	3.2	11.7	18.3	23.6	17.5	12.5	4.2	.5				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

662

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

700120 CAPE ROMANZOF AFS AK 74-81 APR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.2	3.2	1.8	2.0	.3	.2				12.9	14.5
NNE	.8	1.4	2.3	7.8	6.9	4.9	.6					24.6	16.3
NE	.3	.5	1.7	4.2	1.5	.5	.2					8.9	13.8
ENE	.5	1.1	.9	2.0	.9	.5	.2					6.0	12.8
E	.5		1.8	1.1	1.7	.8	.2					6.0	14.3
ESE	.2	.6	1.1	.8	1.4	.3						4.3	13.1
SE		.3	1.2	.6	1.1	.8						4.0	15.3
SSE		.5	.3	1.7	2.8	1.4	.6					7.2	18.2
S	.6	1.4	.9	2.3	.5	1.1	.2					6.9	12.2
SSW	.5	1.2	.3	1.1	.5	.5						4.0	10.9
SW		.3		.2	.2							.6	10.5
WSW			.5									.5	9.3
W			.6	.2								.8	9.0
WNW	.3	.2	.3	.3								1.1	8.6
NW	.2	.2	.5		.2		.2					1.1	11.4
NNW	.3	.8	.3	.8		.3	.3	.3				3.1	14.9
VARBL												10.0	
CALM													
	4.9	9.5	14.0	26.2	19.4	12.9	2.6	.5				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

650

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

AP0

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

ALL

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	2.0	3.2	1.9	1.8	.6	.2	.0			11.1	15.3
NNE	.7	1.5	2.8	5.8	5.7	4.2	.9	.1				21.8	16.2
NE	.4	.4	2.2	3.6	3.0	1.1	.2					11.3	14.5
ENE	.2	.6	1.1	1.8	.8	.3	.1					5.0	12.6
E	.3	.6	1.7	1.3	.7	.5	.1					5.2	12.3
ESE	.2	.6	1.0	1.1	.8	.5	.1					4.3	13.3
SE	.2	.6	1.3	1.4	.9	.8	.1					5.2	13.9
SSE	.2	.6	.8	1.8	1.4	1.1	.5	.0				6.5	16.3
S	.9	1.7	1.0	1.7	1.2	.9	.2					7.0	12.9
SSW	.3	.6	.4	1.0	.3	.1						2.7	10.9
SW	.3	.3	.1	.7	.1	.1						1.7	10.5
WSW	.1	.3	.2	.1	.0	.0						.7	8.2
W	.1	.4	.5	.1								1.1	6.6
WNW	.1	.3	.8	.1	.0							.9	7.8
NW	.1	.4	.5	.3	.2	.1	.0					1.7	10.9
NNW	.1	.4	.6	.7	.4	.3	.2	.3				3.0	15.8
VARBL													
CALM												10.8	
	4.0	9.8	16.6	24.7	17.5	12.0	3.1	.6	.0			100.0	12.7

TOTAL NUMBER OF OBSERVATIONS

5118



1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

7J2120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME73-81  
YEARSMAY  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.9	3.1	2.9	.7	.1					10.2	13.7
NNE	1.0	1.1	5.1	5.6	3.9	1.1						17.8	12.7
NE	.7	1.0	3.1	6.6	2.9	.4						14.7	12.6
ENE	.5	1.5	3.1	3.2	1.6	.6						10.5	11.8
E	.6	2.2	2.2	2.6	.9	.4						9.5	10.4
ESE	1.0	1.1	2.6	.2	.1							5.1	7.2
SE	.4	.5	1.6	1.1	.7	.5						4.9	12.4
SSE	.6	1.1	1.4	.7								3.7	7.6
S	.5	.9	2.2	.9	.4							4.9	9.1
SSW	.4	.2	.4	.4								1.4	7.8
SW	.2	.2	.5	.1								1.1	7.2
WSW	.1	.2	.1									.5	5.0
W	.2		.5									.7	6.5
WNW	.5	.7	.1	.1								1.5	4.5
NW	.6	.5	.9	.2								2.2	6.5
NNW	.2	.6	.9	.2	.2							2.2	6.4
VARBL													
CALM												9.5	
	8.1	13.1	26.7	25.3	13.6	3.7	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

603

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120 CAPE ROMANZOF AFS AK

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L &amp; T)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.7	2.9	2.0	1.0						9.3	13.5
NNE	1.2	.7	4.4	6.5	4.1	1.3						18.2	13.2
NE	.2	1.5	3.8	6.0	3.3	.7						15.7	13.0
ENE	.8	.7	2.5	3.7	1.1	.2						9.1	11.2
E	.5	3.2	2.4	2.3	1.2	.1						9.7	9.7
ESE	.5	.5	1.8	.6	.5							3.8	9.2
SE	.5	.5	1.2	1.0	.2	.1						3.5	9.8
SSE	.6	.8	2.2	1.1		.2						4.9	9.0
S	1.3	1.2	1.7	1.1	.4							5.6	7.6
SSW	.2	.2	.1	.5								1.1	7.4
SW	.4	.6	.4	.4								1.7	6.3
WSW	.1	.2										.4	4.7
W	.4	.6	.4									1.3	4.7
WNW	.4	.6	.1									1.1	4.1
NW	.2	.7	1.0									1.9	6.3
NNW	.5	.6	.2	.6	.4							2.3	8.7
VARBL													
CALM												10.9	
	8.1	13.9	23.8	26.4	13.2	3.7						100.3	9.8

TOTAL NUMBER OF OBSERVATIONS

636

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120

CAPE ROMANZOF AFS AK

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800

HOURE (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	2.2	3.1	2.4	1.3	.1					12.2	13.6
NNE	.5	1.9	4.1	7.2	4.4	1.2	.1					19.4	13.4
NE	.7	1.7	3.5	3.8	1.7	.7	.1					12.2	11.7
ENE	.2	.7	2.3	3.8	.8	.2						6.1	11.9
E	1.1	1.1	2.7	2.2	.2	.1						7.4	9.1
ESE	.4	.7	.6	1.0	.5	.1						3.2	10.6
SE	.5	.5	1.4	.8	.4							3.6	9.5
SSE	1.0	.6	1.0	1.2	.4							4.1	8.8
S	1.1	2.4	2.6	.8	.4							7.3	7.2
SSW	.7	.7	.8	.1								2.4	5.8
SW	.2	.7	.6									1.6	6.2
WSW	.1	.7	.2									1.1	5.1
W	.1	.8	.4									1.3	5.5
WNW	.5	.4										.8	3.6
NW	.4	.4	.4									1.1	5.7
NNW	.1	.4	.7	.8	.4							2.4	11.3
VARBL													
CALM												14.0	
	9.0	14.2	23.4	24.9	11.5	3.7	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

837

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME73-81  
YEARSMAY  
MONTHALL WEATHER  
CLASS0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	1.3	4.4	2.3	1.3						15.3	13.8
NNE	.4	.6	3.2	8.4	4.1	.8	.5					17.6	14.3
NE	.1	1.2	3.2	5.4	1.5	.5						11.4	11.4
ENE	.2	.8	2.4	1.8	.4	.2	.1					6.3	10.9
E	.2	1.1	1.8	.6	.5							4.2	9.2
ESE	.4	.8	1.1	1.3		.1						3.7	9.7
SE	.6	1.7	1.1	.8	.6							4.8	8.9
SSE	1.2	1.5	2.3	.6	.2	.1						5.4	7.5
S	3.1	3.1	3.2	1.4	.2	.1						11.2	6.8
SSW	.8	1.7	.8	.4								3.7	5.6
SW	2.0	2.5	.2	.1								4.9	4.1
WSW	.7	1.0	.1									1.8	4.1
W	.5	1.1	.4									1.9	4.8
WNW	.5	.4	.4									1.2	4.9
NW		.2	.2	.5								1.3	9.9
NNW		.1	.6	.6	.5	.1						1.9	13.5
VARBL													
CALM												8.4	
	11.4	16.3	22.3	26.3	9.7	3.3	.6					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

637

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120 CAPE ROMANZOF AFS AK

73-81

MAY

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (LST)

CONDITION

SPEED (KTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.8	5.7	2.9	1.0						11.6	14.1
NNE	.2	1.1	3.8	8.1	3.9	1.7	.5					19.4	14.3
NE	.5	1.1	4.1	4.9	1.4	.2						12.2	11.4
ENE	.4	.4	2.4	1.4			.1					4.7	9.6
E	.4	.4	1.4	.7	.5							3.3	9.9
ESE	.7	.6	1.6	1.3	.2							4.4	8.9
SE	1.3	.6	1.0	.5	.4	.2						3.6	9.0
SSE	.4	1.2	1.8	1.0	.1	.1						4.5	8.7
S	2.0	3.2	3.1	2.0	.4							15.8	7.5
SSW	1.0	2.3	1.3	.5	.2							5.3	6.8
SW	1.6	1.6	1.3	.1								4.5	5.2
WSW	.6	1.3	.4									2.3	4.4
W	.7	1.2	.7									2.6	5.0
WNW	.1	.5	.2									.8	5.9
NW		.4	.1									.5	6.0
NNW		.1	.2	.6	1.0	.1						2.0	15.4
VARBL													
CALM												7.4	
	9.6	16.6	25.2	26.2	11.0	3.3	.6					170.0	9.7

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7 2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	4.3	3.6	2.1	.9						11.4	13.0
NNE	.5	1.4	4.3	2.5	4.7	3.4	.4	.4				23.5	14.9
NE	.4	1.2	3.7	5.9	1.6	.4	.1					13.3	12.0
ENE	.1	.5	1.6	.6	.4							5.5	7.9
E		.6	1.8	.1								2.6	7.4
ESE	.3	.6	1.2	.5	.8							3.1	10.0
SE	.8	.4	1.7	1.2	.6	.1						4.8	10.4
SSE	.4	.5	2.1	.6		.4						4.1	9.6
S	1.3	1.6	3.1	1.6	.6							8.5	8.4
SSW	.5	2.5	1.3	.7								5.2	6.9
SW	1.7	1.3	1.0									3.6	5.0
WSW	.8	1.2	.5									2.5	4.9
W	.5	1.4	.3									2.2	5.1
WNW	.1	.6	.1									.9	5.4
NW		.1	.4									.5	7.0
NNW		.1	.4	1.2	.5	.1						2.3	14.1
VARBL													
CALM												8.0	
	7.5	14.9	27.6	24.8	11.0	5.3	.5	.4				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

774

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 21 00 CAPE ROMANZOF AFS AK

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-2000

CLASS

HOURLY (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.2	3.5	2.8	1.2	.5	.5					9.3	11.5
NNE	1.0	1.8	4.7	9.0	7.0	3.2	.7					27.4	14.7
NE	.8	1.3	4.5	6.7	1.8	.8	.2					15.5	12.2
ENE	.5	.5	3.5	3.0	.3		.2					7.3	10.4
E	.2	1.0	1.8	.8	.2							4.0	6.9
ESE	.5	.5	1.2	.2	.5	.3						3.7	9.6
SE	.5	.3	1.5	.5	1.0	.5						3.8	10.3
SSE	.7	.3	2.2	.5	.5	.2						4.0	9.2
S	1.6	.5	1.3	2.8	.7							7.2	9.5
SSW	.8	.7	1.0	.2								2.7	5.8
SW		.5	1.5	.2								2.2	7.1
WSW	.3	.3	.3									1.5	5.3
W	.3	.5	.3									1.2	5.1
WNW		.5										.3	5.5
NW		.7										.3	4.5
NNW	.5	.3	.5	.7	.2							3.3	8.9
VARBL												7.5	
CALM													
	8.3	11.5	26.2	27.4	13.0	4.8	1.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

599

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION CAPE ROMANOF AFS AK

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2400

CLASS

HOURS LST

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.5	2.5	7.0	.9	.5						4.5	10.8
NNE	.9	1.9	5.7	6.9	6.6	2.5	.2					23.5	17.7
NE	.5	1.5	4.7	7.4	2.4	.5	.2					17.1	12.3
ENE	.5	.6	2.4	3.3	.8	.5						7.7	11.7
E	.5	2.3	2.5	.9	.6	.2						5.5	8.7
ESE	.2	.5	1.7	.5	.5							3.2	6.8
SE	.3	1.7	.6	1.4	.6	.3						4.8	10.0
SSE	.2	.5	1.4	1.7	.6	.2						4.2	11.0
S	.2	.5	1.7	1.8	.9							5.9	13.2
SSW	.2	.5	.6	.3								1.7	7.5
SW	.5	.5	.6	.2								1.4	6.3
WSW			.2	.3								.5	12.5
W													
WNW		.5	.3									1.2	6.6
NW	.7	.5	.3	.2								.9	6.3
NNW	.2	1.1	1.1	.9								3.2	8.0
VARBL													
CALM												9.8	
	5.7	13.5	25.4	28.1	12.8	4.4	.3					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

665

REMARKS: ALL DATA ARE FROM THE AIR WEATHER SERVICE/MAC. ALL DATA ARE CORRECTED FOR SEA LEVEL PRESSURE.



GLOBAL CLIMATOLOGY BRANCH  
USFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7-120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

77-91

464

**MORTN**

511

HOURS (LST)

ALL WEATHER

## CLASS

### CONCLUSION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.5	2.2	3.5	2.1	.5	.5					10.2	13.3
NNE	.7	1.3	4.4	7.5	4.6	1.8	.3	.0				20.6	13.9
NE	.5	1.3	3.7	5.8	2.5	.5	.1					13.9	12.2
ENE	.4	.7	2.3	1.6	.7	.2	.0					7.1	11.1
E	.5	1.3	2.0	1.3	.5	.1						5.9	9.4
ESE	.3	.7	1.5	.7	.3	.1						3.7	9.3
SE	.6	.3	1.3	.9	.5	.2						4.2	10.1
SSE	.6	.9	1.8	.9	.2	.1						4.4	8.8
S	1.5	1.3	2.4	1.5	.5	.0						7.7	8.0
SSW	.6	1.1	.3	.4	.0							2.9	8.6
SW	.8	1.1	.7	.1	.0							2.7	5.4
WSW	.4	.7	.2	.0								1.3	5.0
W	.4	.7	.4									1.0	5.1
WNW	.3	.5	.2	.0								1.0	5.0
NW	.2	.4	.4	.1								1.1	6.7
NNW	.2	.4	.6	.7	.4	.1						2.3	11.0
VARBL													
CALM												9.5	
	8.4	14.6	25.0	25.1	11.9	4.5	.4	.0				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

6197

USAFETAC 2. DM 06-0-0 01-0 PREL US 10 1000000 10000 1. DM ARE 1.000000

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HALF-DAILY OBSERVATIONS)

702120 CAPE ROMANZOF AFS AK

73-81

JUN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

0000-2359

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	2.2	2.6	2.0	.7						9.5	12.2
NNE	.7	1.7	3.6	4.9	2.9	.6						14.4	12.1
NE	1.0	2.2	3.1	1.8	.8	.1						9.1	9.1
ENE	.6	.4	1.1	1.0	.1							3.1	9.0
E	1.3	.4	.4	.3	.3							2.6	6.7
ESE	.4	.3	.7	.4								1.8	6.9
SE	1.3	1.3	.7	.8	.6							4.6	7.8
SSE	.7	2.7	2.0	1.7	.3	.3						6.8	9.1
S	1.0	1.5	3.9	3.3	1.1	.6						11.4	10.7
SSW	.6	1.7	2.2	3.2	2.0							8.9	11.8
SW	.7	.8	1.0	1.1								3.6	8.2
WSW		.7	.3	.6	.1							1.7	9.7
W	.1	.1	.4	.1								.8	7.8
WNW		.4	.3	.1								.8	7.8
NW	.4	.3		.1								.8	5.0
NNW	.3	.1	.4	.1	.4	.1						1.5	11.7
VARBL													
CALM												18.4	
	10.0	13.9	22.3	22.3	10.6	2.4						173.0	8.4

TOTAL NUMBER OF OBSERVATIONS

717

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7-21-80

CAPE ROMANZOF AFS AK

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.6	2.1	2.8	.1						8.6	12.3
NNE	1.2	3.1	2.1	3.6	3.7	.1						13.8	11.6
NE	.7	1.9	1.9	2.5	.8		.1					7.8	10.0
ENE	.5	1.3	1.1	1.1	.4	.1						4.5	9.3
E	1.2	1.5	.4	.7	.1							3.9	6.3
ESE	.1	.9	.7	.3	.1							2.1	7.3
SE	.5	1.1	1.1	1.1	.1							3.9	8.3
SSE	.5	.8	1.6	1.3	.4	.4						5.3	10.6
S	1.5	2.9	4.2	3.7	.8	.7						13.8	9.7
SSW	.8	1.6	2.1	2.3	.9	.1						7.8	10.1
SW	.1	1.9	1.5	1.5	.3							5.2	9.2
WSW	.3	.9	.3	.4								1.9	7.3
W	.4	.8	.1	.1								1.5	5.8
WNW	.3	.3	.3									.8	5.3
NW			.1	.4								.5	11.3
NNW	.4	.1	.1	.7	.1							1.5	10.3
VARBL													
CALM												17.4	
	9.2	20.3	19.1	21.6	10.6	1.6	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

753

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7:0127 CAPE ROMANZOF AFS AK

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

3639-0800

CLASS

HOURS (L E T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	1.3	3.1	2.4	.4						8.6	14.1
NNE	1.2	2.0	3.6	4.0	3.3	.4						14.5	11.7
NE	.4	.5	1.7	1.8	.6							5.0	10.8
ENE	.4	.5	.8	.9	.3							2.8	9.2
E	.3	.8	.3	.4								1.7	7.3
ESE	.1	1.4	.6	.4								2.6	6.6
SE	.4	.5	1.9	1.3	.1							4.2	9.1
SSE	.9	1.4	1.0	1.4								4.7	7.7
S	1.8	3.7	4.2	4.1	.6	.9	.1					15.5	9.8
SSW	1.8	2.9	2.2	3.2	1.3	.4						11.8	9.6
SW	1.2	1.9	1.4	1.4	.3							6.1	8.0
WSW	.6	1.0	1.0	.3								2.9	6.0
W	.5	.5	.3									1.3	4.3
WNW	.1	.3	.5	.1								1.0	6.8
NW	.3	.3	.3	.1								.9	6.0
NNW	.4	.4	.8	1.7	.1							2.7	9.4
VARBL													
CALM												13.8	
	10.4	19.1	21.7	23.4	9.5	2.0	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

782

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	1.8	4.8	2.2	.8						15.0	14.0
NNE	.1	.6	1.9	5.7	2.4	1.1	.1					12.1	14.4
NE		.9	.9	1.5	.6							3.8	11.7
ENE		1.0	.1	.5								1.6	7.5
E	.4	1.3	.5									2.2	5.2
ESE	.4	1.1	.1									1.6	4.8
SE	.4	1.1	1.3	1.5	.1							4.4	9.0
SSE	1.0	1.1	1.3	2.2	.1							5.7	8.9
S	1.4	3.6	3.8	4.1	1.1	.6	.4					15.0	10.5
SSW	1.6	3.4	3.3	5.1	2.0	.5						16.0	10.4
SW	1.8	3.3	3.4	1.4								9.9	6.8
WSW	.9	1.1	.8	.3								3.0	5.8
W	.4	1.4	.6	.1								2.5	5.6
WNW	.3	.4	.3									.9	5.4
NW	.4	.3	.1	.1								.9	5.4
NNW	.4	.4	.8	2.0	.6							4.2	11.2
VARBL													
CALM												6.1	
	9.6	21.2	20.9	29.3	9.3	3.0	.5					170.0	9.6

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	2.7	4.7	2.3	1.7						12.9	13.6
NNE	.4	.4	.9	5.6	2.7	1.2	.3					11.4	15.1
NE	.3	.1	.9	.8	.5	.3						2.8	12.9
ENE		.3	.3	.1								.6	8.6
E	.1	1.2	.3	.1								1.7	6.2
ESE	.3	.5	.1									.9	4.9
SE	.5	.4	1.0	.9	.3	.1						3.2	9.6
SSE	.4	1.7	1.3	1.7	.4	.1						5.6	9.4
S	1.0	3.8	2.8	4.5	1.7	.8	.4					15.3	11.1
SSW	1.7	4.9	5.3	4.4	1.8	.6						18.9	9.8
SW	1.7	2.8	4.4	1.9	.1							11.0	7.2
WSW	.6	1.3	1.6	.4								3.6	6.6
W	.4	1.4	1.0									2.8	5.6
WNW		.5	.6									1.2	6.7
NW	.5	.1	.3	.3	.3							1.4	8.6
NNW	.1	.3	.3	1.7	1.3	.1						3.5	13.7
VARBL													
CALM												3.4	
	8.5	20.4	23.8	27.0	11.1	5.0	.6					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 773

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7:2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	2.9	5.4	2.1	1.0	.2					12.3	14.1
NNE	.2	.2	2.4	5.8	3.8	.8						13.1	14.8
NE	.2	.3	.3	.6	.5	.2						2.1	12.5
ENE	.2	1.1										1.3	4.5
E		1.3	.3									1.3	5.6
ESE		.2	.5	.2								.8	8.8
SE	.3	1.1	.8	1.3	.3							3.8	9.3
SSE	.8	1.1	1.6	1.9	.6							6.1	9.5
S	1.6	2.2	3.5	4.8	1.4	1.4	.6					15.7	11.9
SSW	2.1	3.2	4.5	2.4	1.1	1.0						14.3	9.2
SW	1.5	5.7	4.5	2.6	.5	.2						13.6	7.9
WSW	1.1	2.2	1.4	.2								5.3	5.4
W	.5	1.1	1.1									2.7	5.5
WNW		.5										.5	5.3
NW	.3	.6	.2	.2								1.3	5.3
NNW	.2	.3	.8	1.4	.6	.2						3.5	13.1
VARBL													
CALM												2.9	
	8.5	20.5	24.8	26.8	11.1	4.6	.8					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

624

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-74, 76-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	2.9	3.6	.5	.5						8.3	11.7
NNE	.2	1.2	3.8	5.2	2.4	.2	.2					13.3	12.4
NE	.2	.2	2.1	2.1								4.8	10.0
ENE		.7	.5									1.2	6.4
E		.2	.7	.2								1.2	8.0
ESE	.2	.5	1.0	1.0	.2							2.9	9.8
SE	.7	1.0	.5	.7								2.9	6.9
SSE	.2	.7	2.1	2.4	.7							6.2	11.1
S	1.4	2.1	5.7	4.5	2.4	1.7	.5					18.3	12.3
SSW	.7	3.8	4.3	1.2	2.4	.5	.2					13.1	10.4
SW	1.4	3.1	2.4	2.1	.2	.2						9.5	8.3
WSW	1.2	1.7	.7	.5	.2							4.3	6.6
W	1.0	1.0										1.9	3.5
WNW	.2	.5	.2									1.0	5.5
NW		.2										.2	5.0
NNW		.5	1.0	1.0								2.4	10.2
VARBL													
CALM												8.8	
	8.1	17.9	47.8	24.5	9.0	3.1	1.0					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 421



1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722120

CAPE ROMANZOF AFS AK

74-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

COUSE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	1.3	3.1	2.0	.4	.2					9.1	12.5
NNE	.4	1.5	4.6	5.1	2.9	1.1						15.5	12.6
NE	.2	2.4	3.3	1.8	1.1							8.8	10.0
ENE	.4	.2	.7	.5								1.8	8.5
E	.4	.5	.2	.4								1.5	6.6
ESE	1.1	.7	1.1	.2								3.1	5.9
SE	.5	.5	1.1	.5	.2	.2						3.1	9.2
SSE	.7	1.6	2.9	2.0	.4							7.7	8.6
S	1.5	1.8	4.2	3.6	1.8	.9						13.9	10.9
SSW	1.1	1.1	3.8	3.5	2.0	.4						11.9	11.3
SW	.5	.5	1.3	.2	.2							2.7	7.5
WSW		.2	.2	1.1	.2							1.6	13.1
W	.7	.4	.4									1.5	4.4
WNW	.2	.7										.9	4.8
NW	.5	.5										1.1	3.3
NNW	.5	.2	.4	.5	.2	.2						2.5	10.5
VARBL													
CALM												13.9	
	9.5	14.4	25.4	22.6	10.9	3.1	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

548

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700120

CAPE ROMANZOF AFS AK

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	2.0	3.7	2.2	.7	.0					10.3	13.2
NNE	.6	1.4	2.7	4.9	3.1	.7	.1					13.4	13.0
NE	.4	1.1	1.7	1.6	.6	.1	.0					5.5	10.4
ENE	.2	.7	.6	.6	.1	.0						2.2	8.5
E	.5	.9	.4	.3	.1							2.1	6.4
ESE	.3	.7	.6	.3	.0							1.9	6.8
SE	.6	.9	1.1	1.1	.2	.0						3.8	8.7
SSE	.7	1.3	1.6	1.8	.3	.1						5.9	9.3
S	1.4	2.8	4.0	4.1	1.3	.9	.2					14.7	10.8
SSW	1.3	2.8	3.4	3.3	1.6	.4	.0					12.9	10.2
SW	1.1	2.4	2.5	1.5	.2	.0						7.7	7.7
WSW	.6	1.1	.8	.4	.1							2.9	6.8
W	.5	.9	.5	.1								1.9	5.2
WNW	.1	.4	.3	.0								.9	6.1
NW	.3	.3	.1	.2	.0							.9	6.3
NNW	.3	.3	.5	1.1	.4	.1						2.7	11.6
VARBL													
CALM												10.7	
	7.3	18.7	22.8	24.8	10.3	3.1	.4					100.3	9.2

TOTAL NUMBER OF OBSERVATIONS

5006

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

72120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME73-81  
YEARSJUL  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.5	1.3	2.3	1.3	.5						7.6	11.3
NNE	1.0	3.2	3.6	4.1	1.3							13.1	9.6
NE	1.8	3.3	3.2	4.2	1.1							13.6	9.3
ENE	.9	.8	2.3	1.8								5.7	8.2
E	.6	1.7	.9	.3								3.4	5.9
ESE	.6	.5	.5	.1								1.8	5.3
SE	.9	.9	1.0	.5								3.3	6.7
SSE	.6	.6	.9	1.3	.4							3.8	9.6
S	1.4	5.2	3.3	4.6	1.8							16.3	9.4
SSW	.5	2.8	2.7	2.3	1.1		.1					8.9	9.8
SW	.4	1.7	1.7	.4		.3						4.3	7.5
WSW		.8	.3									1.3	5.6
W	.3	.1	.1									.5	4.3
WNW		.4	.4									.3	6.5
NW	.4	.3										.6	3.4
NNW	.1	.4										.5	4.3
VARBL													
CALM												14.5	
	10.3	24.1	21.4	21.8	7.0	.8	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

785

3  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700120

CAPE ROMANZOF AFS AK

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.9	1.7	1.5	.9							6.3	9.8
NNE	1.2	2.4	2.9	5.0	1.3	.1						13.3	10.5
NE	1.5	1.8	4.4	3.3	.6	.2						13.9	9.6
ENE	.9	1.2	1.6	1.1								4.8	7.3
E	.2	1.7	1.8	.1	.1							4.3	6.9
ESE	.1	.9	1.0	.5								2.4	8.0
SE	.5	.7	1.0	.4								2.6	6.6
SSE	.6	1.2	1.2	1.1	.5							4.6	9.0
S	2.0	3.4	4.5	3.0	1.2	.2						14.4	8.7
SSW	.9	2.3	2.3	3.0	1.2	.4						10.1	10.4
SW	.7	2.1	1.0	.7	.2	.1						4.9	7.8
WSW	.5	.6	.2									1.3	4.0
W	.5	.5	.1									1.1	3.9
WNW	.5	.1	.1									.7	3.7
NW	.4	.4										.7	4.3
NNW	.1	.2	.1	.1								.6	6.4
VARBL													
CALM												17.8	
	11.6	20.5	23.0	19.9	6.1	1.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

820

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 2121 CAPE ROMANZOF AFS AK

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1600-1800

CLASS

NOVEMBER

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	1.6	3.0	.9							8.5	10.1
NNE	.1	.7	3.2	4.6	1.6							10.1	11.8
NE	.5	1.1	2.5	2.9	.4							7.8	9.3
ENE	.7	1.7	1.1	.6	.1							3.0	6.3
E	.3	.9	.7									1.5	5.7
ESE	.5	.4	.4									1.2	5.1
SE	.1	.5	1.1	.7								2.4	8.7
SSE	.7	1.7	1.7	1.8	.5							6.4	8.8
S	3.0	4.1	4.9	3.8	.6	.5						16.4	6.4
SSW	2.6	2.4	5.5	3.5	1.6	.5						14.5	6.3
SW	1.1	2.6	2.2	.5		.4	.1					7.2	7.3
WSW	.5	1.2	.6	.1								2.6	5.1
W	.6	.6										1.3	3.2
WNW	.6	.2	.1									1.0	3.5
NW	.6	.6	.1									1.3	4.3
NNW	.1	.4	.4	.1								1.0	6.9
VARBL												13.4	
CALM													
	13.7	20.1	24.8	21.8	5.5	1.7	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

622

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

7-120 CAPE ROMAN OF AFS AK

73-92

—

ALL WEATHER  
CLASS

1900-1100

### CONCLUSION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	2.2	2.7	1.3	.1						7.3	11.8
NNE	.2	.7	4.5	4.4	.9	.2						11.3	11.2
NE	.4	.1	.7	2.1	1.1							4.4	13.1
ENE	.1	.2	.2	.5								1.1	8.6
E	.2	1.3	.4	.1								2.1	5.6
ESE		1.7	.4	.2								1.8	5.7
SE	.2	1.1	.4	.4		.1						2.2	6.1
SSE	.9	.9	2.2	3.2	.1	.1						6.3	9.3
S	2.6	5.6	4.4	6.2	.2	.2						17.9	6.9
SSW	3.3	6.5	3.7	5.2	1.2	.5						20.1	3.4
SW	1.7	4.5	2.1	1.2	.1	.1						7.5	6.4
WSW	.9	2.1	1.6	.4								4.9	6.2
W	.5	1.3	.6	.1								1.5	5.7
WNW	.2	.1	.1									.3	4.2
NW	.1	.2	.7									1.1	6.2
NNW		.5	.7	.4								1.6	8.5
VARBL													
CALM												4.0	
	11.8	26.3	24.8	29.6	5.5	1.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

621

AD-A130 206

CAPE ROMANZOF AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 83

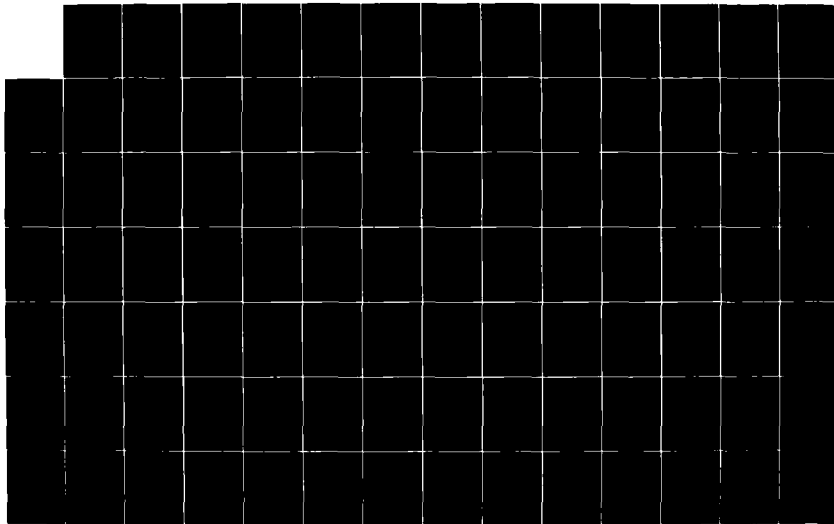
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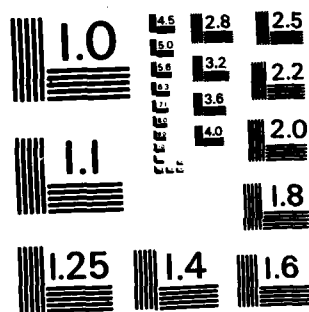
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USAFETAC/DS-83/008 SBI-AD-E850 374

F/G 4/2

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	3.3	2.9	1.7	.7						10.8	11.5
NNE	.1	.6	3.1	4.2	1.6	.2						9.8	12.3
NE	.1	.4	.6	2.0	1.2	.2						4.5	13.9
ENE	.1		.4									.5	6.5
E	.1	.4	.2									.7	5.5
ESE		.9	.2	.1	.1							1.3	7.5
SE	.1	.7	.4	.2		.2						1.7	9.0
SSE	.1	1.0	2.2	1.2	.7							5.3	10.7
S	1.5	5.0	5.5	7.0	1.3	.1						20.4	9.8
SSW	1.7	4.2	6.5	5.0	2.1		.1					19.6	9.8
SW	2.1	5.6	3.5	1.0	.1							12.4	6.1
WSW	.5	1.3	2.0	.4								4.2	6.8
W	.5	1.8	.4									2.7	5.1
WNW	.1	.5	.5									1.1	6.2
NW	.1	.4	1.0	.1								1.6	7.6
NNW	.1	.4	1.0	.2								1.7	8.0
VARBL													
CALM												1.7	
	7.8	24.7	30.7	24.4	8.9	1.6	.1					100.3	9.4

TOTAL NUMBER OF OBSERVATIONS

817

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.0	4.3	4.6	1.6	.3	.5					13.5	11.8
NNE	.3	.6	2.7	4.9	1.7	.3						10.5	12.0
NE		.4	1.1	1.3	.7	.3						3.9	13.4
ENE	.1	.6	.4	.1								1.3	7.2
E	.3	.4	.1									.9	6.8
ESE		.3	.4									.7	7.4
SE		.4	.6		.1	.1						1.3	10.3
SSE	.4	.4	.9	1.1	.3		.1					3.3	10.7
S	1.3	4.7	6.9	5.2	1.6							19.7	9.6
SSW	1.3	4.6	5.0	6.5	2.3	.3						20.9	10.4
SW	1.1	4.0	3.3	.6	.3							9.3	6.7
WSW	1.3	1.6	1.6									4.5	5.5
W	.7	1.9	1.6									4.2	5.6
WNW		1.0	.3		.1							1.4	7.3
NW			.6	.1								.7	9.2
NNW		1.1	.7	.3								2.2	7.5
VARBL													
CALM												2.7	
	7.2	24.1	30.6	24.7	8.8	1.3	.6					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

696

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7-2120

CAPE ROMANZOF AFS AK

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	2.6	3.8	2.3		.6					10.9	13.0
NNE	.4	1.9	4.0	6.8	2.3							15.3	11.8
NE	.2	.9	1.5	6.1	2.1							8.9	12.5
ENE	.2	.6	.4									1.1	7.5
E	.4	.6	.4		.2							1.5	6.8
ESE	.2	.2										.4	3.5
SE		.4	.9									1.3	8.3
SSE	.2	.4	.8	.4								1.7	8.2
S	2.8	3.2	5.3	4.3	1.5							17.1	9.0
SSW	1.1	4.7	4.9	3.8	2.1	.2						16.8	9.9
SW	1.9	3.2	3.8	.2								9.0	5.9
WSW	.8	2.1	.2									3.0	4.1
W	.9	1.5										2.4	4.0
WNW	.4											.4	3.0
NW	.2	.8	.4									1.5	6.0
NNW	.4	.8	.4									1.5	5.5
VARBL													
CALM												7.2	
	10.2	22.6	25.6	23.4	10.4	.2	.6					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

551

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.1	3.0	.9	.3						8.2	11.0
NNE	2.4	3.3	4.4	5.0	1.9	.2						17.2	9.6
NE	1.4	1.7	2.8	6.0	1.1	.2						13.2	10.7
ENE	.6	.8	1.4	.8	.6							4.3	9.2
E	1.1	.6	.8									2.5	5.1
ESE	.2	.2	.5	.2								.9	8.0
SE		1.3	.6	.2								2.1	6.3
SSE	.2	2.1	1.7	.8	.3							5.0	8.5
S	1.4	3.6	3.9	3.5	1.9	.2						14.5	9.5
SSW	1.4	3.0	2.8	2.2	.5							9.9	8.3
SW	1.1	1.7	1.6	.5	.2							5.0	6.9
WSW	.3	1.1	.2									1.6	4.8
W		.9	.3									1.3	5.5
WNW		.3										.3	4.0
NW		.5	.3									.8	6.0
NNW	.2	.3		.3								.8	7.8
VARBL													
CALM												12.3	
	10.4	23.2	23.5	22.4	7.4	.8						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

634

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	2.4	2.9	1.3	.3	.1					8.9	11.4
NNE	.7	1.6	3.5	4.8	1.5	.1						12.3	11.1
NE	.7	1.2	2.1	3.1	1.0	.1						8.3	10.8
ENE	.4	.6	1.0	.6	.1							2.8	8.0
E	.4	1.0	.7	.1	.0							2.2	6.0
ESE	.2	.6	.4	.2	.0							1.4	6.8
SE	.3	.8	.7	.3	.0	.1						2.2	7.7
SSE	.5	1.0	1.5	1.3	.4	.0	.0					4.7	9.4
S	2.0	4.4	4.8	4.7	1.3	.2						17.5	9.1
SSW	1.7	3.8	3.8	3.9	1.5	.2	.0					15.0	9.5
SW	1.2	3.3	2.3	.6	.1	.1	.0					7.7	6.7
WSW	.6	1.3	.9	.1								2.9	5.6
W	.5	1.0	.4	.0								2.0	4.9
WNW	.2	.3	.2		.0							.8	5.3
NW	.2	.4	.4	.0								1.0	6.0
NNW	.1	.5	.4	.2								1.2	7.3
VARBL													
CALM												9.3	
	10.4	23.3	25.5	22.9	7.3	1.1	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

5926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.6	2.7	2.7	.4							8.7	9.3
NNE	.9	2.6	3.9	3.0	.9	.3						11.6	9.7
NE	1.4	2.3	3.8	3.5	.5	.1						11.7	9.3
ENE	1.0	1.8	1.6	.6								5.1	6.6
E	1.3	.9	2.1	.3								4.5	6.4
ESE	.6	1.0	.1	.5								2.3	5.8
SE	.6	.9	1.3	.9								3.8	8.0
SSE		1.0	1.7	1.2								3.9	8.9
S	.6	3.4	5.3	4.5	1.9	.3	.1					16.2	10.8
SSW	.5	.6	2.2	1.4	1.0	.1						6.3	11.0
SW	.6	1.0	1.0	.9	.1	.1	.3					4.2	10.0
WSW	.3	.8	.1	.3								1.4	5.9
W	.3	.8	.4	.3								1.7	6.6
WNW		.5										.5	4.5
NW	.4	.4										.8	3.3
NNW	.1	.3	.3	.3	.3							1.2	10.7
VARBL													
CALM												16.5	
	10.1	20.0	26.5	20.4	5.2	.9	.4					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 770

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	3.6	3.5	.3	.3						9.9	9.8
NNE	1.1	1.9	3.8	2.9	1.0	.3						10.9	9.9
NE	1.5	3.1	4.1	2.3	.5							11.5	8.0
ENE	1.3	1.5	1.3	.5								4.5	6.0
E	1.3	1.4	1.9	1.0								5.5	7.1
ESE	.4	.5	.1									1.0	4.6
SE	.5	1.1	1.3	1.0	.1							4.0	8.4
SSE	.9	1.3	1.9	1.9	.5							6.4	9.3
S	1.3	3.4	3.9	3.6	1.9	.4						14.4	10.2
SSW	1.4	1.3	2.0	2.6	.9	.5						8.6	10.4
SW	.1	1.3	1.0	.5	.1		.3	.1				3.4	10.6
WSW	.6	.5	.6	.3								2.0	6.2
W	.4	.5	.5									1.4	5.5
WNW		.1										.1	6.0
NW	.5	.4										.9	3.6
NNW	.3		.4	.1	.1	.1						1.0	11.4
VARBL													
CALM												14.6	
	12.5	19.3	26.3	20.1	5.4	1.5	.3	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

800

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	2.1	3.1	.4	.2	.1					7.8	10.6
NNE	.7	2.7	3.4	4.6	1.6	.1						13.2	10.6
NE	.4	2.1	2.5	2.1	.2							7.3	8.8
ENE	.4	1.4	.6	.2								2.6	5.8
E	1.1	1.5	.6	.4	.1							3.7	5.6
ESE	.1	.5	1.0	.4								2.0	6.5
SE	1.2	1.2	1.2	1.9	.2							5.8	8.1
SSE	.5	1.2	1.1	2.4	.2							5.5	10.0
S	1.0	3.5	3.9	3.6	1.2							13.2	9.7
SSW	1.5	1.1	3.7	2.9	.6	.7						10.6	10.6
SW	1.0	1.4	1.1	1.0		.1	.2					4.9	8.5
WSW	.5	1.2	.4	.1								2.2	5.5
W	.7	.6	.4									1.7	4.6
WNW	.5	.6										1.1	3.2
NW	.1	.2	.2									.6	6.0
NNW		.4	.7	.6		.4						2.1	12.4
VARBL													
CALM												15.5	
	10.3	21.1	23.0	23.3	4.7	1.6	.4					100.3	7.8

TOTAL NUMBER OF OBSERVATIONS

804



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

AUG

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

0900-1100

CLASS

MOUSE ( 2 )

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	3.1	3.1	1.4		.2					10.7	10.7
NNE	.5	1.6	3.6	3.1	1.5	.5						12.8	11.6
NE	.6	1.2	1.5	1.1	.6	.1						5.2	9.9
ENE	.5	.6	.4	.1	.1							1.7	6.9
E	.4	1.1	.4	.2	.1							2.2	6.6
ESE	.7	1.2	.2									2.2	4.6
SE	.5	1.0	1.4	1.1	.2							4.2	8.6
SSE	.1	1.0	1.5	3.2	.5							6.3	11.4
S	1.7	3.0	5.0	4.5	1.4							15.3	9.5
SSW	1.1	3.2	4.0	4.8	.9	.1	.4					14.5	10.1
SW	1.6	3.6	1.2	.4	.2	.4						7.4	7.0
WSW	1.5	1.7	1.1	.2								4.6	5.1
W	1.1	2.6	.2	.1								4.1	4.5
WNW	.4	.1		.1								.6	4.8
NW		.2	.1	.4		.1						.9	11.0
NNW	.2	.2	.5	.2	.4							1.6	10.6
VARBL													
CALM												5.5	
	11.5	24.9	24.2	24.8	7.3	1.2	.6					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

827

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER

CLASS

CONDITION

1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	3.1	4.7	2.2	.4	.1	.1				12.5	12.7
NNE	.5	1.0	2.4	5.4	1.7	.3						11.5	12.3
NE	.1	.8	.9	1.7	.3	.4						4.2	11.6
ENE	.4	.7	.4	.5								2.0	7.5
E	.4	.5	.4		.1							1.4	6.5
ESE		.3	.8									1.0	7.8
SE	.4	.7	1.2	.9	.5							3.7	10.0
SSE	.3	1.3	1.6	2.9	.3	.3						6.5	10.4
S	1.4	2.0	6.0	5.6	2.0							17.0	10.5
SSW	1.4	3.0	3.4	4.1	1.2		.3					13.3	9.7
SW	1.6	3.5	2.0	1.2	.3	.3						8.8	7.5
WSW	1.7	2.7	1.3	.1								5.9	5.8
W	1.6	.8	.9	.4								3.7	5.6
WNW	.4	.4	.1									.9	4.4
NW		.5	.3			1						.8	6.0
NNW	.5	.8	.4	.9								2.6	7.9
VARBL													
CALM												4.2	
	11.1	20.4	25.1	28.4	8.5	1.8	.4	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 765

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

722120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	3.8	4.8	2.5	1.0		.2				13.6	13.2
NNE	.5	.8	2.1	5.5	2.1	.2						11.1	12.8
NE		.6	1.9	1.3	.5	.5						4.8	11.7
ENE	.6	.6	1.0									2.2	5.9
E	.3	.8	.3	.2								1.6	6.3
ESE	.2	.5	.3									1.0	5.5
SE	.2	.5	1.1	1.7	.2							3.6	11.1
SSE	.8	1.0	1.1	1.7	.2	.5						5.2	10.6
S	1.3	1.9	4.3	5.9	2.1	.2						15.5	11.0
SSW	1.4	3.3	3.8	4.8	.6							13.9	9.3
SW	2.1	3.2	1.7	.6	.3	.2						8.1	6.7
WSW	1.9	1.1	1.0	.3								4.3	5.1
W	1.0	1.1	1.1									3.2	5.5
WNW	.6	.3	.3	.2								1.4	5.1
NW	.2	.3	.6									1.1	6.7
NNW		.6	1.4	.5	.2				.2			2.9	11.6
VARBL													
CALM												6.5	
	10.9	18.1	25.8	27.4	8.6	2.4		.2	.2			100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

631

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-74,77-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1830-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	5.1	7.6	2.3	.4		.2				17.0	12.2
NNE	.8	1.3	4.9	5.7	2.5	.6						15.7	11.8
NE	.4	1.7	2.1	1.7	.6	.2						6.6	9.7
ENE	.4	1.1	.2									1.7	5.0
E	.6	.6										1.1	3.2
ESE	.2		.2									.4	5.5
SE	.4	.9	.6	1.9	.4							4.2	10.6
SSE	.4	.6	2.3	.6	.6	.4						4.9	10.7
S	1.1	2.5	4.5	3.4	2.3	.2						14.0	10.3
SSW	1.3	2.8	1.9	2.6	.2	.2						9.1	8.4
SW	1.1	1.1	1.3	1.3	.8							5.7	9.4
WSW	.8		.4									1.1	4.3
W	.6	.6		.2								1.3	4.6
WNW	.6	.2	.2									.9	4.2
NW	.8	.4										1.1	3.0
NNW	.4	.4	.8	.4								1.9	7.8
VARBL													
CALM												13.2	
	10.0	15.3	24.4	25.5	9.5	1.9		.2				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

529

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	4.5	5.5	1.0							13.9	10.3
NNE	1.2	2.3	5.5	2.7	2.3	.3						14.4	10.5
NE	2.0	2.3	3.8	4.7	.5							13.4	9.2
ENE	.8	1.2	.8	.7								3.6	6.6
E	.8	1.2	.3	.2								2.5	4.9
ESE	.8	.7	.7									2.2	5.2
SE	.3	.3	.8	1.7								3.2	9.9
SSE		1.7	1.7	1.7	1.3							6.4	10.9
S	.8	1.5	4.3	3.5	1.5	.5						12.2	11.1
SSW	.5	1.3	2.0	1.7	.5							6.7	9.1
SW	.5	1.0	.5	1.3	.3	.2						3.8	10.0
WSW	.2	.2	.2	.3								.3	9.0
W	.2	.2	.2	.2								.7	7.0
WNW	.3	.2										.5	3.3
NW	.2		.2		.2							.5	10.0
NNW	.5	.2	.7	.3								1.7	7.6
VARBL													
CALM												14.4	
	10.0	16.2	26.3	24.4	7.7	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

598

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME73-81  
YEARSAUG  
MONTHALL WEATHER  
CLASSALL  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	3.4	4.2	1.2	.3	.1	.1				11.4	11.2
NNE	.8	1.8	3.6	4.3	1.6	.3						12.5	11.1
NE	.8	1.8	2.6	2.3	.5	.2						8.1	9.4
ENE	.7	1.1	.8	.4	.0							3.0	6.3
E	.8	1.0	.8	.3	.1							3.0	6.2
ESE	.4	.6	.4	.1								1.6	6.0
SE	.5	.9	1.1	1.3	.2							4.1	9.1
SSE	.4	1.1	1.6	2.0	.4	.1						5.7	10.3
S	1.2	2.7	4.7	4.3	1.8	.2	.0					14.8	10.3
SSW	1.2	2.1	2.9	3.1	.8	.2	.1					10.4	9.9
SW	1.1	2.1	1.2	.9	.2	.2	.1	.0				5.8	8.2
WSW	.9	1.1	.6	.2								2.9	5.5
W	.7	.9	.5	.1								2.3	5.3
WNW	.3	.3	.1	.0								.8	4.3
NW	.2	.3	.2	.1	.0	.0						.8	6.0
NNW	.2	.4	.6	.4	.1	.1			.0			1.8	10.0
VARBL													
CALM												11.3	
	10.9	19.8	25.2	24.1	6.9	1.5	.3	.1	.0			100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

5734

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	2.9	4.7	1.7	.5		.4				12.2	13.0
NNE	1.4	1.9	4.5	5.6	4.3	3.8	.6	.5				22.7	15.0
NE	1.2	2.2	3.1	2.9	1.4	.3						11.0	9.8
ENE	1.2	1.4	1.9	.8	.1							5.4	7.3
E	.9	1.7	.8	.5		.1						3.4	7.1
ESE	.4	1.0	.4	.3								2.1	6.1
SE	.5	1.0	1.4	.9	.1	.5						4.5	10.0
SSE	.3	1.3	1.6	1.6	.6	.1	.3					5.7	11.4
S	.3	.8	1.6	3.2	2.1	.9	.1					8.9	13.9
SSW	.5	.5	.9	1.0	.6	.1						3.8	11.1
SW	.3	.3	1.0	.6	.1							2.3	9.4
WSW		.4	.1	.4								.9	8.9
W	.1	.4	.9	.6								2.1	8.8
WNW	.1	.3	.3	.8								1.4	10.6
NW		1.0	.5	.5	.3	.4						2.7	11.6
NNW	.4	.4	.9	.5	.3							2.5	9.1
VARBL													
CALM												8.3	
	7.5	16.1	22.8	24.9	11.7	6.7	1.0	.9				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

771

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	2.5	3.2	2.1	1.2						11.5	13.1
NNE	1.0	2.4	4.4	4.6	4.9	2.5	1.4	.6	.1			21.8	15.5
NE	1.4	2.9	3.2	3.7	.4	.2	.1					12.5	9.5
ENE	.5	1.9	1.9	1.5								5.7	7.8
E	.5	1.6	.9	.4								3.4	6.3
ESE	.4	1.1	1.0	.2								2.7	6.5
SE	.6	1.2	1.5	.7	.2	.2						4.6	9.3
SSE	.7	.5	1.9	1.7	.4	.2	.1					5.6	10.6
S	.4	.7	2.2	2.9	1.1	1.2	.1					8.7	13.2
SSW	1.0	.2	.9	1.9	.4	.4	.2					5.5	11.9
SW		.2	1.1	.7								2.1	10.2
WSW		.2	1.0									1.2	8.0
W	.2	.5	.4	1.0	.1							2.2	9.3
WNW	.4	.1	1.0	.2	.1							1.9	8.1
NW	.1	1.1	.7	.2	.1	.4						2.7	9.5
NNW		.5	.4	.5	.1							1.5	10.0
VARBL													
CALM												7.6	
	7.4	17.1	25.0	23.7	10.0	6.5	2.0	.6	.1			100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

801



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	2.9	3.9	2.5	.9		.1				11.9	13.1
NNE	1.1	1.8	6.0	6.1	5.4	.9	1.4	.5	.3			23.4	14.3
NE	1.9	2.5	2.8	3.9	.4	.5						11.9	9.2
ENE	.1	.6	1.5	.8								3.0	8.5
E	.4	1.3	1.9	.4	.1							4.0	7.8
ESE	.6	1.0	1.3	.1								3.0	6.2
SE	.4	1.6	1.3	.6	.1	.4						4.4	8.9
SSE	.6	.6	.6	1.8	.4	.8						4.8	12.6
S	.8	.9	1.3	3.5	1.5	.5	.1					8.5	12.6
SSW	.6	.6	.9	2.0	.5	.1	.1					4.9	11.3
SW	.5	1.0	.5	.6	.1							2.8	7.4
WSW	.4	.5	1.0									1.9	6.5
W	.1	1.1	1.3	.4	.1							3.0	7.8
WNW	.4	.8	.3	.1	.1							1.6	7.2
NW	.4	.5	.1	.5		.4						1.9	10.9
NNW	.1	.3	.8	.5		.3	.1					2.0	12.1
VARBL													
CALM												7.3	
	9.0	16.0	24.1	25.1	11.3	4.6	1.8	.6	.3			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

800

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	3.1	5.7	2.5	1.6	.9					14.7	14.5
NNE	.4	1.4	5.2	8.0	4.2	1.6	.4	.9				22.0	14.7
NE	.2	.6	3.0	2.6	1.0	.2						7.7	11.7
ENE	.2	.7	1.4	.5								2.9	8.2
E	.1	1.0	.4	.4	.2							2.1	8.6
ESE	.5	.4	.6			.1						1.6	6.9
SE	.4	.6	1.1	.7	.4	.1						3.4	10.1
SSE	.4	1.0	1.2	.7	.9		.2					4.5	11.1
S	1.0	1.4	1.9	3.1	2.1	.7	.1					10.3	12.3
SSW	.9	2.5	2.7	2.1	.6	.2						9.1	9.2
SW	1.1	1.7	2.5	.9	.1	.1						6.5	7.8
WSW	.2	.2	.6	.2								1.4	7.1
W	.5	.7	.5	.5								2.2	6.8
WNW	.1	.6	.4	.1	.1	.2						1.6	9.9
NW	.1	.6	.6	.2	.1	.4						2.1	11.6
NNW		.6	1.2	.5	.1	.4						2.9	11.3
VARBL													
CALM												5.0	
	6.5	15.1	26.5	26.4	12.5	5.6	1.6	.9				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

803

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURLY (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	4.1	7.0	3.8	1.4	.3	.3				18.3	14.2
NNE	.4	1.3	3.3	6.1	5.4	1.7	.9	.9				19.9	16.1
NE	.3	1.4	2.2	2.8	.5	.3	.4					7.8	11.8
ENE	.1	.4	.5	.3	.1							1.4	8.8
E	.1	.5	.1	.6	.1							1.5	10.2
ESE	.4	.1	.6	.1								1.3	7.5
SE	.1	.4	.4	.6	.3							1.8	10.9
SSE	.1	.6	1.3	1.4	.9	.3						4.6	12.6
S	.5	2.0	2.6	3.6	.9	1.2	.1	.1	.1			11.1	12.6
SSW	.6	1.7	3.1	2.9	.8	.1						9.2	10.2
SW	.4	1.8	1.3	1.3	.9	.1						5.8	9.9
WSW	.1	1.7	.5	.1	.1							2.6	6.4
W	.5	1.9	.6	.6								3.7	6.9
WNW	.1	1.3	.5	.1	.4							2.2	9.1
NW	.1	.5	.5	.9	.5	.1						2.7	11.9
NNW	.3	.3	.9	.8		.1						2.3	10.2
VARBL													
CALM												4.1	
	4.5	16.5	22.5	29.4	14.7	5.2	1.7	1.3	.1			100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

782

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.7	1.6	3.1	7.2	2.3	1.3	.4	.1				16.7	13.6
NNE	.4	1.6	3.6	8.7	5.3	2.6	1.6	.6	.3			24.5	16.3
NE	.9	.7	1.6	2.7	1.0							6.9	10.8
ENE	.4	.4	.6	.3	.1							1.9	7.2
E		.1			.1	.1						.4	15.7
ESE	.1	.7	.3	.4	.1							1.7	8.2
SE	.6	.9	.3	.7	.3	.1						2.9	9.2
SSE	.3	.3	1.6	1.9	1.1	.6						5.7	13.2
S	.4	1.1	1.4	3.0	1.6	.9	.1			.3	.1	9.0	15.5
SSW	1.1	1.6	2.9	1.6	.3							7.4	8.5
SW	1.1	1.0	2.0	1.9	.4							6.4	8.7
WSW	.4	.3	.6	.3								1.6	7.3
W	.3	1.6	.1	.1								2.1	5.5
WNW	.4	.4	1.1	.6	.1							2.7	8.5
NW	.3	1.4	.6	.1	.4	.7						3.6	10.9
NNW	.3	.6	.9	.6			.1					2.4	9.7
VARBL													
CALM												4.0	
	7.9	14.3	20.6	30.0	13.3	6.3	2.3	.6	.3	.3	.1	100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

699

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1830-2000

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.8	3.7	4.7	1.8	.6						12.6	11.8
NNE	.4	2.3	4.9	6.8	3.3	3.9	.2	.8				22.6	15.1
NE	.4	3.3	3.1	3.3	.8	.2						11.1	9.5
ENE	.4	.4	1.0	.4								2.1	7.0
E	.6	.2	1.2	1.0	.2							3.1	9.6
ESE	.6	.4	.4	.2								1.6	5.6
SE		1.9	1.4	.8	.8	.6						5.4	11.1
SSE	.6	.8	1.6	.8	1.4	.6	.4					6.0	13.2
S	.2	2.1	1.2	1.6	1.4	1.0	.2					7.6	12.6
SSW		.4	2.3	1.6	.2	.6	.4			.2		5.6	15.0
SW	.2	.4	1.0	1.8								3.3	10.5
WSW	.6	.4	.4									1.4	5.1
W	.2	1.4	1.0	.2								2.7	6.9
WNW	.4	.4	.4	.2	.2							1.6	7.6
NW		.4	.4	1.0	.6	1.0						3.3	15.9
NNW	.6	1.6	.8	.6	.2	.6						4.3	9.6
VARBL													
CALM												5.6	
	5.3	18.1	24.5	24.7	10.7	8.9	1.2	.8		.2		100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

514

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120

CAPE ROMANZOF AFS AK

74-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.4	3.2	5.6	1.9	.8	.2					14.3	12.2
NNE	1.2	3.0	3.9	7.4	3.7	2.4	.5	1.2	.2			23.6	14.7
NE	1.7	2.4	4.0	3.4	.7		.2					12.3	9.1
ENE	.5	1.9	1.5	.8								4.7	7.2
E	.7	.8	.8	.3	.2							3.0	7.9
ESE	.7	2.0		.3		.2						3.2	6.4
SE	.3	.8	1.2	1.2	.7		.2					4.4	11.0
SSE	.7	1.2	.8	1.2	1.3	.5	.5					6.2	13.4
S	.5	.7	1.7	2.7	.3	1.5						7.4	13.4
SSW	.2		.8	.8	1.2	.2						3.2	13.9
SW	.2	.8	.2	1.3								2.5	9.5
WSW	.5	.5	.3									1.3	5.3
W	.2	.7	.7	.3								1.9	7.5
WNW	.5	.2	.7	.2			.2					1.7	9.3
NW	.2	.8	.8	1.2	.8	.2	.2					4.2	12.8
NNW	.2	.3	.5	.3	.2							1.5	9.9
VARBL													
CALM												4.7	
	8.4	18.5	21.2	27.3	10.9	5.7	1.9	1.2	.2			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

594

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	3.2	5.2	7.4	1.0	.2	.1				13.9	13.4
NNE	.8	1.9	4.5	6.5	4.6	2.3	.9	.7	.1			22.5	15.2
NE	1.0	1.9	2.8	3.2	.8	.2	.1					10.0	10.0
ENE	.4	1.0	1.3	.7	.1							3.4	7.7
E	.4	.9	.7	.5	.1	.0						2.6	8.1
ESE	.5	.8	.6	.2	.0	.0						2.2	6.6
SE	.4	1.0	1.1	.8	.3	.2	.0					3.9	10.0
SSR	.5	.8	1.3	1.4	.8	.4	.2					5.3	12.2
S	.5	1.2	1.8	3.0	1.4	1.0	.1	.0	.0	.3	.0	9.1	13.2
SSW	.7	1.0	1.8	1.8	.6	.2	.1	.0		.0		6.1	10.8
SW	.5	.9	1.2	1.1	.2	.0						4.0	8.9
WSW	.3	.5	.6	.1	.0							1.5	6.8
W	.3	1.0	.7	.5	.0							2.5	7.4
WNW	.3	.5	.6	.3	.1	.0	.0					1.8	8.8
NW	.2	.8	.5	.6	.3	.4	.0					2.8	11.8
NNW	.2	.5	.8	.5	.1	.2	.0					2.4	10.3
VARBL													
CALM												5.9	
	7.1	16.3	23.5	26.4	11.9	6.1	1.7	.9	.1	.1	.3	100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

5764

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0003-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	2.5	4.7	3.3	1.2	1.7	.6				16.1	16.1
NNE	1.6	2.4	4.0	6.3	2.9	.8	.5	.1				18.7	12.5
NE	1.5	1.6	2.9	4.0	2.4	2.4	1.2	.2				16.3	14.8
ENE	.4	1.0	1.7	2.7	.7	.4	.2	.1				7.2	12.8
E	1.0	1.5	1.5	2.1	.1							6.1	8.6
ESE	.1	.8	1.9	1.0								3.9	8.7
SE	1.3	.6	1.5	.8	.5							4.7	8.2
SSE	.5	.4	.7	1.1	.2							2.9	9.4
S	.2	.8	.7	1.0	.8							3.6	10.5
SSW	.4	.5	.2	.2	.1	.1						1.6	9.0
SW	.1	.6	.6	.1	.2							1.7	8.4
WSW	.1	.1	.1	.4								.7	9.0
W		.1	.4	.2	.1							.8	10.1
WNW	.1	.5	.1	.1	.1	.1						1.1	9.9
NW		.4	.4	.5	.2							1.5	11.0
NNW	.1	.1	.6	1.0	.4	.7	.1	.2	.1			3.4	16.4
VARBL													
CALM												9.7	
	8.4	12.5	19.9	26.2	12.3	5.8	3.8	1.3	.1			100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

824



1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120

CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

3337-3500

CLAS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.6	5.0	3.1	1.4	1.0	1.0	.1			16.0	16.4
NNE	1.6	1.7	3.8	6.5	3.0	1.1	.4					17.9	12.7
NE	1.3	3.1	2.7	3.6	2.3	2.5	1.6	.4				17.4	14.7
ENE	.7	1.4	1.2	1.9	.4	.7	.4					6.7	12.0
E	1.0	1.2	1.1	1.8	.4	.1						5.6	9.2
ESE	.8	1.6	1.4	1.3	.1							5.3	7.7
SE	.2	1.0	1.1	.7								3.3	8.1
SSE	.5	.6	1.1	.5	.7							3.3	9.9
S	.7	.8	.7	.7	.5	.1						3.6	9.6
SSW	.2	.5	.7	.1	.1							1.6	7.4
SW		.1	.1	.1	.4							.7	13.2
WSW		.2		.1	.2							.6	11.4
W	.2	1.1	.6									1.9	5.7
WNW	.2	.4	.7									1.3	6.4
NW	.2	.6	.6	.5	.5	.1						2.5	10.9
NNW	.1	.5	.2	.7	1.0	.5	.2	.1				3.3	16.4
VARBL												9.3	
CALM													
	8.5	15.7	18.8	23.4	12.5	6.6	3.5	1.4	.1			170.3	11.4

TOTAL NUMBER OF OBSERVATIONS

837

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120

CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.0	3.2	4.1	3.0	1.9	1.0	.5	.1			16.2	15.3
NNE	1.1	2.0	2.6	5.3	4.2	.5	1.0					16.6	13.6
NE	.8	1.7	4.2	4.1	3.5	2.5	1.7	.6				19.3	15.7
ENE	.2	1.2	1.6	1.9	1.2	.1		.2				6.5	12.3
E		1.2	.8	1.4	.6	.2	.1					4.4	11.6
ESE	.4	.5	1.4	1.1	.2							3.6	9.8
SE	.5	.4	1.6	1.6								3.9	9.7
SSE		.2	.6	1.1	.1	.1						2.2	12.6
S	.2	1.1	.5	.7	.7	.2						3.5	10.8
SSW	.2	.4	.2	.2	.1							1.2	8.0
SW		.5	.4	.2	.1							1.2	8.9
WSW		.5	.5	.6	.1							1.7	10.5
W	.2	.2	.7	.4								1.5	8.2
WNW	.1	.4	.1		.1							.7	7.3
NW	.1	.2	.8	.7			.1					2.0	11.1
NNW	.1	.8	.2	.7	.7	.7	.2					3.6	15.0
VARBL													
CALM												12.2	
	4.5	13.3	19.5	24.0	14.7	6.3	4.1	1.3	.1			100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2120

CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	3.5	4.7	3.2	2.5	1.1	.2	.1			17.4	5.3
NNE	1.2	1.7	3.0	4.9	4.3	2.4	.2	.1				17.8	14.4
NE	1.3	1.4	3.6	3.2	2.7	1.9	1.2	.7				16.1	15.4
ENE	.4	.4	1.6	2.9	.5	.2	.2	.1				6.2	13.3
E	.2	.4	1.2	1.6	.7	.4	.1					4.5	12.9
ESE		.1	.7	.4	.4							1.6	12.0
SE	.4	.7	1.1	1.6	.1							3.8	10.0
SSE	.5	.7	.7	1.3	.2							3.5	9.3
S	.6	.6	.8	1.8	.8	.1						4.8	11.1
SSW	.4	.4	.7	.1	.1							1.7	7.5
SW	.2	.5	.5	.2								1.4	7.3
WSW	.1	.5	.5	.2								1.3	7.5
W	.6	1.1	1.0	.2								2.9	6.2
WNW	.2	.6	.4									1.2	5.7
NW	.2	.4	.7		.1	.2						1.7	10.1
NNW	.1	1.0	.4	.4	1.3	.6						4.2	14.2
VARBL													
CALM												9.9	
	6.8	12.1	20.2	23.9	14.6	8.4	2.9	1.2	.1			100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

637

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2120 CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	4.5	5.5	3.5	2.9	.8	.7				23.2	15.3
NNE	.8	.8	3.0	5.6	4.2	2.4	.6	.1				17.6	15.1
NE	.2	1.3	1.9	3.8	1.4	1.8	.8	1.1	.2			12.7	17.4
ENE		.2	1.6	2.2	1.2	.1						5.3	13.3
E	.5	.6	.7	1.4	.8	.1	.2					4.4	12.9
ESE	.1	1.1	.7	.6	.6							3.1	9.7
SE	.4	.6	.7	.5	.5	.1						2.8	10.2
SSE	.1	.8	.7	.6	.5	.1						2.9	10.8
S	1.1	1.1	1.8	2.3	.6	.1						6.9	10.0
SSW	.2	.8	.7	.2	.2							2.3	8.5
SW	.7	.7	.6	.1								2.2	5.5
WSW	.4	.5	.2									1.1	4.4
W	.2	1.1	.7	.1								2.2	6.5
WNW	.2	.4	1.0									1.6	6.4
NW	.5	.7	.6	.1	.4	.4	.1					2.8	11.4
NNW	.1	.6	1.2	1.4	1.4	.5	.4					5.6	14.7
VARBL													
CALM												6.6	
	6.5	12.8	20.7	24.5	15.3	8.5	3.0	1.9	.2			100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120

CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.8	3.2	6.4	3.5	2.8	1.0	.5				19.7	15.6
NNE	1.3	1.5	4.4	5.2	6.0	2.7	.9	.1				20.1	14.0
NE	.8	.8	2.4	3.7	3.6	2.4	.6	.9	.4			15.6	17.4
ENE	.9	.5	.4	1.5	.9	.1	.1					4.5	12.1
E	.4	.6	.9	1.4	.8	.1	.3					4.5	12.3
ESE	.1	.4	.6	.3	.3							1.7	10.0
SE	.8	.1	1.5	.9	.5							3.8	10.1
SSE	.4	.4	.6	.9	.5							2.6	10.8
S	.6	.6	.9	1.3	.8	.4						4.6	11.6
SSW	.6	.4	1.2	.3	.1							2.6	7.2
SW		.1	.1	.4								.6	10.6
WSW	.1	.5	.3									.9	5.1
W	.3	.4	.5	.3								1.4	6.7
WNW	.5	.1	.4	.3	.3							1.5	8.9
NW	.3	.5	.5	.3	.3	.1						1.9	9.7
NNW	.5	.4	.8	1.3	.8	.9	.3					4.9	14.6
VARBL													
CALM												8.8	
	8.1	9.2	18.7	24.3	16.1	9.6	3.2	1.5	.4			170.3	12.6

TOTAL NUMBER OF OBSERVATIONS

781

1  
3GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

702120  
STATIONCAPE ROMANZOF AFS AK  
STATION NAME73,76-81  
YEARSOCT  
MONTHALL WEATHER  
CLASS1930-2000  
YEARS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	3.3	4.2	3.8	1.6	1.5					16.2	15.3
NNE	1.3	2.0	4.2	6.4	2.4	2.4	.9					16.5	13.7
NE	1.8	1.6	2.2	1.6	1.3	1.5	.5	.7	.2			11.5	14.1
ENE	.7	1.3	2.2	.7	1.6	.9						7.5	11.9
E	.4	1.6	1.1	2.2	.7	.4	.5	.2				7.1	13.3
ESE	.4	1.3	1.6	.4								3.6	6.8
SE	.2	.7	1.1	1.5	.7	.2						4.4	11.7
SSE	.4	.2	1.1	.4	.7							2.7	10.7
S		.4	.7	.7	.2	.9						2.9	14.4
SSW		.5	1.3	.4								2.2	7.9
SW	.5	.7	.4	.2								1.8	5.7
WSW	.4	.4	.5									1.3	6.0
W		.5	.4	.4								1.3	7.7
WNW			.4	.4	.2							.9	11.6
NW		.4	1.1	.5	.5	.4						2.9	13.2
NNW	.5	.4	1.6	1.3	.9	.4	.2					5.3	12.6
VARBL												6.6	
CALM													
	7.1	13.3	23.2	21.2	13.1	9.6	3.6	.9	.2			100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

548

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120

CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	3.3	3.6	2.7	3.0	1.3	.7				16.8	16.9
NNE	1.8	1.8	5.2	6.4	3.7	1.2	.3	.1				25.6	12.6
NE	1.2	1.0	2.8	2.1	1.9	1.6	.7	.3				11.8	10.3
ENE	.7	.7	1.8	2.1	1.5	.6	.1					7.6	12.8
E	.4	1.6	2.1	1.8		.1	.1					6.3	9.5
ESE	.4	1.0	.6	1.0	.1							3.3	8.2
SE	.6	1.0	1.9	1.2	.1							4.9	8.9
SSE	.4	.3	.6	1.0	.4							2.8	10.9
S	.3	1.0	1.3	.6	.9	.3						4.5	11.4
SSW	.4	.7	.4	.1		.1						1.9	7.5
SW		.1	.1	.1	.3							.7	12.8
WSW		.1	.3	.1								.6	8.0
W		.6	.3	.3								1.2	8.8
WNW	.1	.4	.7	.1								1.5	7.0
NW	.1	.3	.7		.4							1.6	10.4
NNW	.3	1.0	.7	.7	1.2	.9		.3				5.2	10.5
VARBL													
CALM												9.1	
	7.3	13.6	23.1	21.5	13.4	7.9	2.7	1.5				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

671

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2120

CAPE ROMANZOF AFS AK

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	3.3	4.8	3.2	2.2	1.2	.6	.0			17.4	15.7
NNE	1.3	1.7	3.7	5.8	3.6	1.7	.6	.1				18.5	13.6
NE	1.1	1.6	2.9	3.4	2.4	2.1	1.1	.6	.1			15.3	15.5
ENE	.5	.8	1.5	2.0	1.0	.4	.1	.1				6.4	12.6
E	.5	1.1	1.2	1.7	.5	.2	.2	.0				5.3	11.1
ESE	.3	.8	1.1	.8	.2							3.2	8.8
SE	.6	.6	1.3	1.1	.3	.0						3.9	9.5
SSE	.3	.5	.8	.9	.4	.0						2.9	10.4
S	.5	.8	.9	1.2	.7	.2						4.4	10.9
SSW	.3	.5	.7	.2	.1	.0						1.8	7.8
SW	.2	.4	.4	.2	.1							1.3	8.1
WSW	.1	.4	.3	.2	.0							1.0	7.8
W	.2	.6	.6	.2	.0							1.7	7.0
WNW	.2	.4	.5	.1	.1	.0						1.2	7.6
NW	.2	.4	.7	.3	.3	.1	.0					2.1	11.0
NNW	.2	.6	.7	1.0	1.0	.6	.2	.1	.0			4.4	15.0
VARBL												9.3	
CALM													
	7.1	12.8	20.3	23.8	14.0	7.6	3.3	1.4	.2			100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

6171



3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120

CAPE ROMANZOF AFS AK

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0000

CLASS

HOURS (L &amp; T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.7	2.0	2.5	2.1	2.0	.7				12.7	18.1
NNE	1.2	1.1	1.0	4.0	2.7	1.9	.6	.9	.2			13.6	16.9
NE	.6	1.2	1.9	2.7	1.7	2.0	2.0	1.0	.2	.2		13.6	19.2
ENE	.2	.5	1.0	2.0	.6	1.1	.6	.6				6.7	18.2
E	.7	.5	1.7	2.6	1.4	.1						7.0	12.0
ESE	.2	.9	.7	.5	.2							2.6	8.4
SE	.6	.5	1.4	2.0	.6	1.4	.9	.1				7.4	15.7
SSE	.4	.5	.2	1.6	1.1	1.4	.1					5.3	15.9
S	.4	.4	.7	1.7	2.2	1.6	.5					7.5	17.0
SSW	.2	.4	.4	.2			.1	.2				1.6	13.2
SW	.1	.1	.1									.4	5.7
WSW	.1	.1		.2	.1	.1						.7	12.7
W	.4		.9	.2	.1							1.6	9.1
WNW	.2		.5	.4								1.1	8.4
NW	.4	.4	1.4	.5	.4	.4						3.3	11.3
NNW	.2	.1	.7	1.1	.4	.6	.2	.1				3.6	15.2
VARBL													
CALM												11.1	
	6.8	7.8	14.3	21.8	14.1	12.6	7.0	3.7	.5	.2		100.3	14.3

TOTAL NUMBER OF OBSERVATIONS

879

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.1	2.6	3.5	3.2	.9	1.5	.1			14.4	19.4
NNE	.4	1.1	2.2	3.0	2.8	1.6	1.4	1.0	.2			13.7	17.9
NE	.7	1.0	1.4	2.1	1.9	2.5	1.5	1.4	.5	.1		13.0	20.3
ENE	.2	.2	1.4	1.5	.5	1.1	.5	.2				5.7	16.7
E	.1	.7	1.0	3.1	1.2	.2		.1				6.5	13.7
ESE	.2	.5	1.5	1.1	.1	.6	.5					4.6	13.9
SE	.1	.6	.5	.9	.6	.4	.5					3.7	15.7
SSE	.1	.1	.2	1.1	1.9	1.0	.7					5.2	19.2
S	.1	.1	.6	2.2	1.6	2.0	.4	.4				7.4	18.8
SSW	.1	.2	.7	.2	.1	.1	.1					1.7	11.9
SW	.4	.1	.1	.1								.7	5.7
WSW		.1		.4	.2							.7	13.7
W	.1	.2	.7	.1								1.2	7.2
WNW		.2	1.0	.2								1.5	6.9
NW	.2	.7	.7		.4	.1	.2					2.5	11.5
NNW	.1	1.0	1.2	.9	.4	.2	.4					4.2	12.1
VARBL													
CALM												13.2	
	3.5	8.4	14.4	19.5	15.2	13.1	7.2	4.6	.9	.1		100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702120

CAPE ROMANZOF AFS AK

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-2000

CLASS

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	2.0	2.7	2.6	1.6	1.5	1.0				12.6	17.9
NNE	.2	1.0	1.7	2.3	2.7	2.2	1.2	1.0	.4			12.8	19.2
NE	.5	.7	1.9	2.8	2.2	2.8	1.5	1.1	.6			14.2	19.7
ENE	.4	.5	1.0	2.0	1.0	1.5	.2	.1				6.7	15.5
E	.4	.9	1.2	2.8	.9	.9	.7	.1				7.9	14.9
ESE	.4	.1	1.2	1.1	.2	.5						3.6	12.2
SE	.4	.1	.9	.9	.9	.5	.4	.1				4.1	15.3
SSE	.4	.2	.4	.9	1.1	.7	.4					4.1	16.6
S	.5	.9	1.4	2.3	1.9	1.7	.9	.6	.1			10.2	17.5
SSW	.4	.4	.6	.2	.2	.1	.1					2.1	13.8
SW	.2	.1	.2	.1	.5							1.2	10.9
WSW		.2	.1	.4	.1							.9	11.3
W	.1	.4	.5	.2								1.2	7.7
WNW	.1	.5	.7	.1								1.5	6.8
NW	.1	.4	1.4	.2	.4	.4						2.8	11.4
NNW	.1	.4	1.0	.2	.4	.7	.4					3.2	15.5
VARBL													
CALM												10.9	
	4.7	7.5	16.2	19.5	15.1	13.7	7.3	4.1	1.1			100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER

CLASS

CONDITION

0900-1100  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	1.2	3.7	1.1	2.6	1.0	.6				11.4	18.2
NNE	.5	2.0	1.4	2.8	3.6	3.0	.6	.9	.2			14.9	17.6
NE	1.1	1.7	1.6	1.7	2.3	1.7	1.7	1.4	.4			13.7	18.4
ENE	.2	.4	.6	1.4	.9	.6	.6		.1			4.8	17.5
E	.4	.7	1.5	2.5	1.1	.2	.6					7.0	13.5
ESE	.4	.2	.9	1.5	.5	.6	.2	.1				4.4	14.7
SE	.7	.5	.6	1.9	1.2	.2	.2	.5				5.9	15.2
SSE	.5	.4	.9	1.1	1.2	1.0	.1	.1				5.3	15.3
S	1.1	1.0	1.1	1.5	2.2	1.4	.7	.6				9.6	16.5
SSW	.5	.1	.1	.4	.6	.1						1.9	11.9
SW	.4		.1		.2							.7	9.0
WSW	.1	.5	.2	.4	.1							1.4	9.2
W	.1	.2	.2		.1							.7	7.7
WNW	.4	.5	.1	.1								1.1	5.9
NW	.1	.6	1.1	.5	.4	.2						3.0	11.0
NNW	.1	.2	.7	1.1	1.0	.5	.2	.1				4.1	16.1
VARBL													
CALM												10.0	
	7.0	9.9	12.5	20.5	16.7	12.2	6.2	4.3	.7			170.0	14.5

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120

CAPE ROMANZOF AFS AK

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	1.2	1.9	1.5	1.7	.9	.6	.1			9.8	17.5
NNE	.7	.7	2.1	2.3	4.1	3.5	1.4	1.2	.1			16.2	19.1
NE	.7	.6	1.1	1.4	1.2	2.8	1.2	1.0	.4			10.5	20.7
ENE	.5	.6	1.0	.9	1.1	.7	.5					5.3	15.0
E	.9	.4	1.0	3.1	1.1	.6	.1					7.2	13.2
ESE	.4		.2	1.0	.6	.5	.6					3.3	17.7
SE	.5	.2	.9	.4	1.6	.5	.5	.4				5.4	17.3
SSE	1.0	.7	1.2	.9	2.1	.5	.4					6.8	13.1
S	1.1	.6	1.2	1.6	1.7	2.2	1.1	.1				9.8	16.6
SSW	.9	.4	.4	.1	.1							1.9	6.1
SW	.4	.4	.1		.4							1.2	8.8
WSW	.1			.1	.2							.5	12.8
W	.2	.2	.2	.1	.2							1.1	8.9
WNW	.2	.5	.4			.1						1.2	7.7
NW	.4	.5	1.0	.5	.4	.2						3.0	10.5
NNW	.1	.4	1.4	1.6	.6	.6	.4					5.1	14.7
VARBL													
CALM												11.9	
	8.6	7.7	13.5	16.3	17.0	14.1	7.0	3.3	.6			100.0	14.3

TOTAL NUMBER OF OBSERVATIONS

810

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

722120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	2.1	2.3	1.8	1.7	.6	.9	.1			13.6	17.6
NNE	.3	.9	1.7	3.0	3.0	2.2	1.4	1.2	.4			13.9	19.6
NE	.5	.5	1.2	1.4	2.5	2.7	1.0	.8		.3		11.4	11.1
ENE	.4	.1	.9	2.3	1.5	.8	.6					6.7	16.1
E	.5	.9	1.5	2.6	.1	.4	.8					6.8	13.1
ESE	.8	.9	.6	.6	.4	.6	.3					4.3	11.6
SE	.5	.3	.9	2.6	.4	.3	.6	.1				5.7	14.5
SSE	.8	.3	1.2	1.3	2.2	.8	.5	.1				7.1	15.7
S	.6	1.3	1.0	2.1	1.8	1.4	1.4					9.7	16.4
SSW	.3	.4	.1	.3	.1							1.2	8.2
SW	.1	.4	.3	.1								.9	6.4
WSW		.4	.3	.1		.1						.9	10.0
W		.5	.3	.1	.3							1.2	10.3
WNW	.5	.1	.5		.4							1.5	8.3
NW		.3	.9	.9	.4	.1						2.6	11.7
NNW		.3	.4	.4	.8	.3	.5	.1				2.7	19.3
VARBL													
CALM												12.9	
	5.5	8.3	13.8	20.1	15.6	11.4	7.9	3.2	1.0	.3		100.3	14.3

TOTAL NUMBER OF OBSERVATIONS

775

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7.2120

CAPE ROMANZOF AFS AK

73-74,77-81

NGV

STATION

STATION NAME

YEARS

MONT

ALL WEATHER

1800-2000

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	1.7	2.7	2.1	.6	1.7	.2				9.5	17.3
NNE		.8	1.5	1.0	3.7	2.1	1.5	1.0	.8			12.4	21.3
NE		.8	.8	1.9	2.9	2.1	1.0	.4	.2			10.1	19.6
ENE	.6	.6	1.5	2.1	1.5	1.7	1.0					9.1	16.2
E	1.9	.5	1.4	1.7	1.0	.2						6.8	9.5
ESE	.2			1.4	.2	.5	.4					2.7	17.4
SE	.6	.2	.6	1.4	1.4	2.1	.6					6.8	17.5
SSE	.4	.4	.4	1.9	1.4	.5	1.0					6.0	17.2
S	1.5	.6	1.4	3.3	3.1	1.2	.4	.2				11.6	14.5
SSW	.2	.6	1.0		.2							1.9	8.3
SW	.2											.2	3.0
WSW		.2			.2							.4	13.0
W	.4	.6	.4	.6								1.7	7.7
WNW	.4	.4	1.2	.6	.2							2.7	9.1
NW		.2	2.7	.8	.8	.2						4.6	11.6
NNW		.6	1.0	.6	.6	.4	.6					3.7	15.8
VARBL													
CALM												9.7	
	6.6	6.6	15.5	19.9	19.1	11.8	8.1	1.7	1.0			100.0	14.5

TOTAL NUMBER OF OBSERVATIONS

517

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702127  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

100-2300  
HOURS (EST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.5	2.0	2.0	1.2	2.5	.8	.7			7.6	70.8
NNE	1.1	1.4	1.6	2.5	4.4	1.4	1.2	1.1				14.6	17.2
NE	.8	.7	1.4	2.2	.8	2.6	1.7	1.1		.2		11.8	19.5
ENE	.6	1.4	1.6	2.5	1.4	.8	.8	.2				9.2	14.2
E	.6	.5	1.2	3.0	.9	.5	.2					6.8	13.2
ESE	.8	.5	1.4	.6	.3	.3						3.9	9.7
SE	.6	.5	.3	1.6	1.7	.9	1.4					7.3	18.2
SSE	.2	.2		1.4	2.5	1.2	.2					5.6	18.4
S	.6	.6	1.6	1.9	3.1	2.0						9.8	15.5
SSW		.2	.2	.2					.2			.6	16.8
SW	.2			.3								.5	11.0
WSW		.3	.2		.2							.5	8.8
W	.6	.7	.2	.2	.2	.2						1.4	8.9
WNW		.3	.8	.8		.2						2.3	11.7
NW		.3	.9	1.6	.5	.3						3.6	13.2
NNW	.2	.3	.3	1.1	.3	.3	.3					2.8	14.9
VARBL													
CALM												10.1	
	6.5	8.1	12.0	21.6	18.2	12.0	7.8	3.1	.5	.2		100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

643



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

772120

CAPE ROMANZOF AFS AK

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	1.5	2.5	2.1	1.0	1.3	.8	.1			11.5	16.4
NNE	.6	1.1	1.7	2.7	3.3	2.3	1.2	1.0	.3			14.1	18.5
NE	.7	1.0	1.4	2.0	1.9	2.4	1.5	1.0	.4	.1		12.4	19.8
ENE	.4	.5	1.1	1.8	1.0	1.0	.6	.2	.0			6.6	16.1
E	.6	.7	1.3	2.7	1.0	.4	.3	.0				7.0	13.1
ESE	.4	.4	.9	1.0	.3	.5	.3	.0				3.7	13.2
SE	.5	.4	.8	1.5	1.0	.7	.5	.2				5.7	16.1
SSE	.5	.4	.6	1.2	1.7	.9	.6	.0				5.6	16.2
S	.7	.7	1.1	2.0	2.1	1.7	.7	.3	.7			9.3	16.6
SSW	.3	.3	.4	.2	.2	.1	.1	.0	.0			1.6	15.5
SW	.3	.2	.1	.1	.2	.7						.8	8.3
WSW	.1	.2	.1	.2	.2	.7						.9	11.1
W	.2	.3	.4	.2	.1	.0						1.3	8.5
WNW	.2	.3	.6	.3	.1	.0						1.5	8.5
NW	.2	.4	1.2	.6	.4	.3	.0					3.1	11.5
NNW	.1	.4	.9	.9	.6	.5	.4	.1				3.7	15.2
VARBL												11.3	
CALM													
	6.1	9.1	14.0	19.9	16.2	12.7	7.3	3.6	.8	.1		170.3	14.5

TOTAL NUMBER OF OBSERVATIONS

5984

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.3120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-2250  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.9	3.0	2.4	3.1	.5	.6				11.3	18.9
NNE	.6	1.6	1.4	4.6	3.2	3.1	3.1	2.0	.2			19.8	20.1
NE	.5	.4	1.4	1.7	2.0	3.6	3.0	1.4	.4			14.3	22.5
ENE	.1		.6	.7	2.0	.7	1.1	1.0	.4			6.7	23.3
E	.4	.1	.7	1.4	1.4	1.4	.5	.5				5.9	18.6
ESE	.5	.1	.2	1.0	.7							2.6	12.3
SE	.4	.9	.5	1.0	.7	.4	.1					4.0	12.8
SSE	.5		.5	1.7	1.1	1.7	.4					5.9	17.6
S	1.6	.6	.1	.1	2.2	1.0	.6	.2	.1			6.7	16.0
SSW	.2	.2	.2	.2	.5	.4		.1				2.3	15.6
SW	.2		.1	.6	.2							1.2	11.9
WSW	.4			.4	.2							1.0	9.9
W	.2		.6									.9	6.6
WNW		.4	.7	.2								1.4	8.6
NW		.6	.6	.5	.1							1.9	9.1
NNW	.2	.4	.4	.2	.5	.2	.2					2.2	14.3
VARBL												12.5	
CALM													
	6.2	5.7	9.0	17.5	17.3	15.2	9.5	5.8	1.1			100.0	16.1

TOTAL NUMBER OF OBSERVATIONS

827

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFS WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	2.3	3.9	2.9	1.5	1.7	.5	.1			13.7	16.9
NNE	.9	1.8	2.0	4.6	3.6	3.6	2.3	2.2	.2	.5		21.6	19.8
NE	.4	.5	.6	3.5	2.1	3.7	2.6	1.0				13.3	21.1
ENE		.1	.7	1.1	1.7	1.4	1.1	.7	.5			7.4	22.9
E		.1	.6	.7	1.1	.7	.4	.6				4.3	20.6
ESE	.2	.2	.2	1.2	.4	.4		.1				2.8	14.3
SE	1.5	.6	.4	1.1	1.0	1.2						5.3	13.7
SSE	.2	.2	.4	1.2	1.6	1.1	.1	.1				5.0	17.2
S	.9	.4	.1	.7	1.7	.7	.4	.2	.2			5.4	17.9
SSW	.7	.2	.2	.5	.1	.5	.2					2.6	12.7
SW	.4	.7	.2	.6								1.5	8.3
WSW		.2		.6	.1							1.0	12.9
W	.4	.5	.1	.2								1.2	7.1
WNW		.2	.1	.1								.5	6.3
NW	.1	.4		.1								.6	5.8
NNW	.2		.7	.9	.2							2.1	11.2
VARBL													
CALM												11.7	
	5.9	6.9	8.9	20.7	15.6	14.4	8.9	5.5	1.1	.5		100.0	15.9

TOTAL NUMBER OF OBSERVATIONS

813

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	1.3	1.5	2.3	1.5	1.2	.2				10.2	16.3
NNE	1.0	1.3	2.3	4.5	3.3	3.8	3.2	1.7	.7	.2		72.2	20.3
NE	.4	.7	1.3	2.2	2.1	2.9	1.6	2.5				13.7	21.7
ENE	.1	.2	.9	1.0	.6	1.7	1.2	1.1	.5			7.4	23.8
E	.6	.5	1.3	1.0	.7	.9	.5	.4				5.9	15.7
ESE	.4	.2	.1	.5	.6	.5	.4	.1				2.8	17.4
SE	1.0	1.0	.4	1.0	1.1	.5	.5	.2				5.6	14.3
SSE	1.1	.5	.4	1.8	1.2	.4	.2	.4				6.0	14.4
S	.2	.4	.4	.9	1.1	.7	.2			.1	.2	4.3	19.9
SSW	.1	.2	.6	1.1	.6	.1	.1	.1				3.1	13.9
SW		.1		1.0								1.1	14.0
WSW	.5			.1	.4							1.0	9.8
W	.2	.1	.1									.5	4.3
WNW		.6	.5	.4								1.5	8.0
NW	.2	.2	.2	.1	.5							1.3	11.4
NNW	.1	.9		.2	.4	.1						1.7	9.9
VARBL													
CALM												11.8	
	7.2	8.0	9.9	17.3	15.0	13.1	9.2	6.7	1.2	.4	.2	100.0	15.9

TOTAL NUMBER OF OBSERVATIONS

616

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	.7	2.0	2.4	1.6	.5	.1				6.7	16.7
NNE	.7	1.3	1.8	4.4	4.0	4.4	2.8	1.8	1.0			22.3	20.5
NE	.7	.5	2.0	3.1	3.2	1.7	1.7	2.3	.2			15.4	20.3
ENE			.2	1.1	1.1	1.7	1.1	1.0	.2			6.5	24.4
E	.4	.7	1.0	1.7	1.5	.2	.5	.1				5.6	15.2
ESE	.1	.1	.2	1.2	.5	.1	.1	.1				2.6	16.0
SE	.5		.5	.9	.7	.4	.5	.1				3.5	16.9
SSE	.5	.5	.9	2.0	1.5	.4	.1	.2		.1	.1	6.2	16.4
S	.1	.9	.9	1.3	.6	.7	.2	.1		.1		5.0	15.8
SSW	.4	.5	.6	1.3	.4		.2					3.4	12.3
SW	.5	.1	.2	.2	.2							1.3	8.4
WSW			.1	.5	.2							.9	14.0
W	.1	.2										.4	4.3
WNW	.1	.1	.1	.7								1.1	10.3
NW	.2	.2	.1	.6								1.2	9.3
NNW		.6	.6	.6	.2							2.1	10.1
VARBL													
CALM												13.8	
	4.6	6.5	10.0	21.6	16.6	11.2	7.8	6.0	1.5	.2	.1	170.0	15.5

TOTAL NUMBER OF OBSERVATIONS

819

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	.8	2.8	2.3	1.8	1.3	.1				9.7	16.5
NNE	.5	.5	1.3	4.4	6.7	6.8	2.8	3.1	1.0	.3		22.9	22.9
NE	.9	.5	1.0	3.3	2.5	2.9	1.9	1.9	.1			15.3	20.4
ENE	.1	.1	.4	1.5	.9	1.0	.4	.3	.4			5.3	20.5
E	.5	.3	.9	2.0	1.1	.9	.4	.4	.1			6.5	16.7
ESE	.5	.4	.4	.8	.4	.8	.1	.3				3.5	15.3
SE	1.0	.4	1.0	1.1	.5	.4	.1	.3				4.8	12.3
SSE	.8	.5	.5	1.0	1.6	.3				.1		4.8	13.9
S	1.5	1.3	.6	.9	1.0	1.3	.6	.4		.1		7.7	15.4
SSW	.1	.4	.3	.6	.1	.3	.3					2.0	14.6
SW		.1	.5	.5	.1	.1						1.4	12.4
WSW	.3	.3	.4	.3								1.1	7.1
W	.1	.1	.5	.5								1.3	10.1
WNW				.1								.1	14.0
NW	.3	.8	.3	.1								1.4	6.3
NNW	.3	.1	.5	.5	.5	.1						1.5	10.1
VARBL													
CALM												11.2	
	7.9	6.7	8.3	20.0	15.7	14.1	7.2	6.7	1.6	.4	.1	100.0	16.0

TOTAL NUMBER OF OBSERVATIONS

794

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

702120

CAPE ROMANZOF AFS AK

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	.8	2.8	1.7	1.2	1.5	.2	.3			10.5	18.0
NNE	.6	.9	.9	3.8	3.5	4.1	3.5	1.2	.5	.3		20.4	22.3
NE	.5	1.1	.9	1.5	3.5	3.1	2.9	1.2	.2			14.9	21.3
ENE	.9	.8	.2	.5	1.8	1.5	1.1	.6	.3			7.7	20.2
E	.6	.3	.9	1.4	.9	.2	.2					4.5	12.7
ESE	.3	.3	.5	1.7	1.2	1.4	.6	.2				6.1	18.0
SE	.6	.6	.3	.8	1.1	.3	.3	.2				4.1	14.6
SSE	.6	.5	.3	.9	.6	1.4	.5					4.8	16.2
S	.6	.8	.9	.9	2.0	1.2	.5					6.9	15.6
SSW	.5	.5	.2	.8	.5	.5	.3					2.6	13.6
SW	.5	.3	.5	.6	.5	.2						2.5	10.6
WSW	.2	.3	.3	.2								.9	7.3
W	.3		.3	.3								.9	8.7
WNW			.2	.2	.3							.6	14.5
NW	.5		.3	.2	.5							1.4	10.8
NNW	.5	.6	.3	.2								1.5	5.6
VARBL													
CALM												10.1	
	7.4	8.1	7.7	16.6	17.7	15.1	11.4	4.5	1.2	.3		120.2	16.3

TOTAL NUMBER OF OBSERVATIONS

651

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

72120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-74,77-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2	.6	3.0	1.7	2.8	.2	.4				9.9	17.3
NNE	.8	1.5	1.3	2.5	2.1	3.2	1.5	3.8				16.8	21.3
NE	.8	.8	1.1	.8	2.1	3.0	4.0	1.5				14.2	22.3
ENE	.8	.4	.2	1.1	.4	1.1	1.3	.4	.4			6.2	20.9
E	.8	.4		2.5	1.5	1.3	1.1					7.6	17.5
ESE	.6	.2		1.5	1.3	.6	.4	.4				5.1	16.0
SE	.4		.4	1.5	2.5	.4						5.3	15.5
SSE	.8	.4	.2	.2	1.7	1.5						4.9	15.9
S	1.7	1.9	.2	1.3	2.8	.8	.4					9.1	12.7
SSW	.4	.2		.6	.2	.2	.6					2.3	17.1
SW		.4		.2								.6	7.0
WSW			.6	.6								1.3	10.8
W		.6	.8	.4	.9							2.8	11.2
WNW	.4	.2	.2	.8	.2							1.9	10.0
NW	.2			.2		.2						.6	13.0
NNW	.4	.4		.4		.2						1.5	10.0
VARBL													
CALM												10.0	
	9.3	7.9	5.7	17.8	17.4	15.3	9.6	6.6	.4			100.0	16.0

TOTAL NUMBER OF OBSERVATIONS

471



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2120

CAPE ROMANZOF AFS AK

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	1.1	2.9	2.5	2.1	1.1	.5	.2	.2		11.4	10.8
NNE	.5	.8	2.9	3.2	2.9	2.2	2.4	3.0	.6			18.4	21.3
NE		.3	.5	1.6	2.5	2.7	2.7	1.3				11.6	23.4
ENE	.2	.2	1.6	1.1	1.1	.8	1.0	1.4	.2			7.4	21.2
E	.2	.3	.8	.6	1.4	1.3	.6					5.2	18.5
ESE	1.0		.5	1.1	1.3	.8	.2					4.8	14.9
SE	.3	.3	.6	1.3	1.1	.6	.3					4.6	15.8
SSE	1.0	.6	.6	1.3	1.1	1.6	.2	.2				6.5	15.0
S	1.4	1.0	.6	1.1	2.1	1.7	.8					8.7	15.3
SSW	.3	.5	.3	.3	.3	.3		.2				2.2	13.3
SW	.2			1.0	.5							1.6	14.0
WSW			.2		.2							.3	13.0
W		.2	.8	.2	.2							1.3	10.5
WNW	.2	.5	.2	.3								1.1	8.6
NW	.2	.6	.6	.2	.5							2.1	9.5
NNW	.5	.2	.2	.2	.2	.5	.2					1.7	14.2
VARBL													
CALM												11.1	
	6.0	6.0	11.4	16.2	17.7	14.6	9.4	6.5	1.0	.2		100.0	16.3

TOTAL NUMBER OF OBSERVATIONS

631

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

70-120 CAPE ROMANZOF AFS AK 73-81 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER ALL  
CLASS HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	1.1	2.6	2.2	1.9	1.0	.3	.1	.5		15.6	17.4
NNE	.7	1.2	1.7	4.1	3.5	3.7	2.7	2.4	.6	.2		20.9	21.0
NE	.5	.6	1.1	2.3	2.5	2.9	2.4	1.7	.1			14.1	21.5
ENE	.2	.2	.6	1.0	1.2	1.3	1.0	.8	.4			6.8	22.4
E	.4	.3	.8	1.4	1.2	.8	.5	.3	.5			5.6	16.9
ESE	.4	.2	.3	1.1	.7	.5	.2	.1				3.8	15.9
SE	.7	.5	.5	1.1	1.0	.5	.2	.1				4.6	14.3
SSE	.7	.4	.5	1.3	1.3	1.5	.2	.1		.5	.5	5.5	15.9
S	1.0	.8	.5	.9	1.6	1.5	.5	.1	.1	.1	.5	6.5	15.9
SSW	.3	.3	.3	.7	.3	.3	.2	.1				2.6	13.8
SW	.2	.2	.2	.6	.2	.0						1.4	11.0
WSW	.2	.1	.2	.3	.2							.9	10.3
W	.2	.2	.4	.2	.1							1.1	8.7
WNW	.1	.3	.3	.3	.1							1.0	9.5
NW	.2	.4	.3	.3	.2	.0						1.3	9.2
NNW	.3	.4	.3	.4	.3	.1	.1					1.8	11.4
VARBL													
CALM												11.7	
	6.7	6.9	9.0	18.6	16.5	14.0	9.0	6.0	1.2	.3	.1	100.0	16.0

TOTAL NUMBER OF OBSERVATIONS 5602

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFD WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.2120 CAPE ROMANZOF AFS AK 73-81 ALL  
STATION STATION NAME YEARS MONTH ALL  
ALL WEATHER CLASS HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	2.1	3.3	2.1	1.4	.7	.4	.1	.5	.5	11.7	16.1
NNE	.7	1.4	2.9	4.8	3.5	2.3	1.1	.6	.2	.5	.5	17.7	16.3
NE	.6	1.1	2.1	3.1	1.9	1.4	.9	.5	.1	.5	.5	11.7	16.0
ENE	.4	.6	1.1	1.4	.9	.6	.3	.1	.5	.5		5.4	14.4
E	.5	.8	1.1	1.5	.9	.4	.1	.5	.5			5.4	12.6
ESE	.4	.6	.8	.9	.5	.2	.1	.5	.5			3.4	11.6
SE	.5	.7	1.0	1.2	.6	.3	.1	.5				4.5	12.2
SSE	.5	.7	1.0	1.4	.9	.5	.1	.5	.5	.5		5.2	12.9
S	1.0	1.5	1.9	2.2	1.2	.7	.2	.5	.5	.5	.5	9.0	11.7
SSW	.7	1.1	1.3	1.3	.5	.1	.5	.5	.5	.5		5.5	9.8
SW	.5	.9	.8	.5	.1	.1	.5	.5				2.9	7.9
WSW	.3	.5	.4	.2	.7	.5	.5					1.3	6.7
W	.3	.5	.4	.1	.7	.5						1.4	6.4
WNW	.2	.3	.3	.1	.0	.7	.5					.9	7.3
NW	.2	.3	.4	.3	.1	.1	.5	.5	.5			1.5	10.7
NNW	.2	.4	.5	.7	.4	.2	.1	.1	.5	.5		2.5	13.8
VARBL													
CALM												10.3	
	7.3	12.7	18.1	23.0	13.8	8.5	3.9	1.9	.4	.1	.1	100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 69898

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

ALL  
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (LST)

SPEED KNTS; DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.7	2.0	3.7	2.4	1.9	.9	.6	.2	.5	.5	13.5	17.2
NNE	.5	.8	1.8	3.7	3.4	2.4	1.2	.7	.1	.5	.5	14.6	17.9
NE	.3	.4	.9	1.5	1.2	.8	.5	.4	.1	.5	.5	6.3	17.8
ENE	.1	.2	.4	.6	.4	.3	.1	.1	.5	.5	.5	2.2	15.6
E	.2	.3	.6	1.1	.9	.3	.1	.5	.5	.5	.5	3.5	14.6
ESE	.1	.3	.5	1.0	.8	.3	.1	.5	.5	.5	.5	3.1	14.4
SE	.2	.5	1.0	1.7	1.7	.5	.2	.1	.5	.5	.5	5.2	14.3
SSE	.3	.7	1.3	2.2	1.6	.8	.2	.5	.5	.5	.5	7.2	14.6
S	1.5	1.9	3.2	4.1	2.2	1.4	.3	.5	.5	.5	.5	14.2	12.8
SSW	.6	1.4	2.3	2.5	1.5	.3	.1	.5	.5	.5	.5	8.2	11.0
SW	.6	1.3	1.3	1.0	.3	.1	.5	.5	.5	.5	.5	4.7	8.8
WSW	.4	.8	.6	.3	.1	.5	.5	.5	.5	.5	.5	2.1	7.1
W	.4	1.5	.7	.2	.0	.5	.5	.5	.5	.5	.5	2.3	6.6
WNW	.2	.4	.4	.1	.5	.5	.5	.5	.5	.5	.5	1.3	6.8
NW	.2	.5	.6	.3	.2	.2	.5	.5	.5	.5	.5	2.1	10.3
NNW	.2	.5	.6	.8	.4	.3	.1	.1	.5	.5	.5	2.9	13.2
VARBL												7.2	
CALM													
	5.7	11.8	18.4	24.8	16.0	9.7	4.0	2.0	.4	.1	.5	100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 23358

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq 0$
NO CEILING															
N 1800															
N 1500					91.0										92.6
N 1200															
N 1000															
N 900															
N 800															
N 700															
N 600															
N 500										97.4					98.1
N 400															
N 300															
N 200															
N 100															
N 0					95.4		96.9			98.3					100.0

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72-122 CAPE ROMANZOF AFS AK

73-81

145

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

250-500

VISIBILITY STATUTE MILES

FEET	20	26	28	24	22	20	18	16	14	12	10	8	6	4	2	0
20	35.4	36.7	37.7	38.3	39.4	39.5	40.4	40.4	40.4	41.2	41.5	41.5	42.7	42.7	43.7	43.7
30	34.2	37.4	38.5	39.1	40.2	40.3	41.2	41.2	41.2	42.0	42.2	42.2	43.5	43.5	44.4	44.4
40	34.3	37.6	38.6	39.2	40.3	40.4	41.3	41.3	41.3	42.1	42.4	42.4	43.7	43.7	44.6	44.6
50	34.7	38.0	39.0	39.6	40.8	40.9	41.8	41.8	41.8	42.6	42.9	42.9	44.2	44.2	45.3	45.3
60	35.0	38.2	39.2	40.0	41.1	41.2	42.1	42.1	42.1	42.9	43.1	43.1	44.4	44.4	45.7	45.7
70	35.1	38.3	39.4	40.2	41.2	41.3	42.2	42.2	42.2	43.0	43.3	43.3	44.6	44.6	45.9	45.9
80	35.1	38.6	39.8	40.5	41.7	41.8	42.7	42.7	42.7	43.5	43.8	43.8	45.1	45.1	46.4	46.4
90	35.4	38.9	40.0	40.8	42.1	42.2	43.1	43.1	43.1	44.0	44.3	44.3	45.6	45.6	46.9	46.9
100	37.2	40.8	42.0	42.7	44.0	44.2	45.1	45.1	45.1	46.0	46.2	46.2	47.5	47.5	48.9	48.9
110	37.9	43.0	44.2	44.9	46.2	46.4	47.3	47.3	47.3	48.2	48.4	48.4	49.7	49.7	51.1	51.1
120	40.2	44.4	45.6	46.4	47.7	47.8	48.7	48.7	48.7	49.6	50.3	50.3	51.6	51.6	53.2	53.2
130	41.7	46.1	47.4	48.4	49.7	50.3	51.2	51.2	51.2	52.1	52.4	52.4	53.7	53.7	55.3	55.3
140	42.2	46.6	49.1	49.2	50.9	51.0	51.9	51.9	51.9	52.8	53.8	53.8	55.1	55.1	56.9	56.9
150	43.0	48.4	49.7	51.0	52.7	52.8	53.8	53.8	53.8	54.7	55.6	55.6	57.0	57.0	58.7	58.7
160	43.9	51.0	52.5	53.6	55.4	55.6	56.5	56.5	56.5	57.4	58.3	58.3	60.1	60.1	61.4	61.4
170	47.3	52.8	54.8	56.3	58.2	58.3	59.3	59.3	59.3	60.4	61.3	61.3	63.1	63.1	64.4	64.4
180	49.0	55.1	57.1	58.7	60.5	60.6	61.7	61.7	61.7	62.7	63.6	63.6	65.4	65.4	66.7	66.7
190	42.9	56.1	59.1	60.8	63.0	63.1	64.4	64.4	64.4	65.4	66.3	66.3	68.1	68.1	69.4	69.4
200	50.3	57.4	60.5	62.3	64.8	64.9	66.2	66.2	66.2	67.2	68.1	68.1	69.9	69.9	71.2	71.2
210	52.2	59.6	62.7	64.6	67.1	67.2	68.7	68.7	68.7	69.7	70.6	70.6	72.4	72.4	73.7	73.7
220	54.0	62.7	66.5	68.9	71.9	72.0	74.0	74.0	74.0	75.1	76.3	76.3	78.2	78.2	79.5	79.5
230	54.7	63.7	67.7	70.3	73.7	73.8	76.0	76.0	76.0	77.8	79.0	79.0	81.3	81.3	82.6	82.6
240	54.7	64.1	68.3	70.9	74.2	74.5	76.7	77.5	77.6	78.9	80.1	80.1	82.4	82.4	83.7	83.7
250	54.7	64.4	68.9	71.6	75.5	75.9	78.5	79.5	79.7	81.1	82.3	82.3	84.6	84.6	85.9	85.9
260	54.8	64.6	69.3	72.0	76.2	76.6	79.3	80.6	81.0	82.5	83.7	83.8	86.1	86.1	87.4	87.4
270	55.2	65.3	69.9	72.7	77.1	77.5	80.2	82.1	82.3	84.1	85.2	85.4	87.7	87.7	89.0	89.0
280	55.6	65.8	70.6	73.4	78.5	79.0	82.6	84.6	84.7	86.5	87.7	87.8	90.1	90.1	91.4	91.4
290	55.7	65.9	70.7	73.6	78.9	79.4	83.3	85.3	85.4	87.9	89.1	89.2	91.6	91.6	92.9	92.9
300	55.7	65.9	70.7	73.6	78.9	79.4	83.3	85.3	85.4	87.9	89.1	89.2	91.6	91.6	92.9	92.9
310	55.7	65.9	70.7	73.6	78.9	79.4	83.3	85.3	85.4	87.9	89.1	89.2	91.6	91.6	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS 77



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

73-61 CAPE ROMAN OF AFS AK

73-61

142

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

73-7500

		VISIBILITY - STATUTE MILES															
		20	20	21	24	21	22	22	2	21	21	24	24	2	25	24	21
1000	33.6	36.6	38.2	39.0	40.3	40.8	41.5	41.6	41.6	42.3	42.4	42.4	43.2	43.2	44.2	44.4	
900	34.9	37.7	39.5	40.1	41.4	41.9	42.6	42.8	42.8	43.4	43.5	43.5	44.4	44.4	45.4	45.4	
800	35.7	38.4	40.0	40.9	42.3	42.8	43.5	43.6	43.6	44.2	44.4	44.4	45.2	45.2	46.2	46.3	
700	35.8	38.5	40.1	41.0	42.4	42.9	43.6	43.7	43.7	44.4	44.5	44.5	45.6	45.6	46.7	46.8	
600	36.1	38.8	40.4	41.3	42.6	43.1	43.9	44.0	44.0	44.6	44.7	44.7	45.8	45.8	47.0	47.1	
500	36.4	39.2	40.8	41.6	43.0	43.5	44.2	44.4	44.4	45.0	45.1	45.1	46.2	46.2	47.3	47.5	
400	37.5	40.8	42.4	43.2	44.6	45.1	45.8	46.0	46.0	46.6	46.7	46.7	47.8	47.8	48.9	49.1	
300	38.5	42.9	44.6	45.6	47.0	47.5	48.2	48.3	48.3	48.9	49.2	49.2	50.3	50.3	51.4	51.6	
200	41.2	44.5	46.3	47.7	49.2	49.7	50.4	50.6	50.6	51.2	51.4	51.4	52.3	52.3	54.0	54.2	
100	41.9	45.6	47.5	48.0	50.3	50.6	51.5	51.7	51.7	52.3	52.5	52.5	54.0	54.0	55.1	55.3	
50	44.1	47.7	49.9	51.4	53.0	53.5	54.3	54.4	54.4	55.0	55.4	55.4	57.1	57.1	58.5	58.6	
20	45.4	49.1	51.4	53.0	54.6	55.1	55.9	56.0	56.0	56.6	57.0	57.0	58.9	58.9	60.0	60.0	
10	47.6	51.3	54.4	56.0	57.7	58.2	59.0	59.1	59.1	59.9	60.3	60.3	62.2	62.2	63.6	63.7	
5	48.7	53.0	55.6	57.4	59.1	59.6	60.3	60.5	60.5	61.2	61.7	61.7	63.6	63.6	64.7	65.1	
2	50.3	55.1	58.2	60.2	62.3	62.6	63.6	63.7	63.7	64.4	64.9	64.9	66.8	66.8	68.2	68.3	
1	51.3	56.9	60.1	62.2	64.6	65.1	65.8	65.9	65.9	66.8	67.3	67.3	69.1	69.1	70.5	70.6	
0.5	52.3	58.0	61.2	63.6	66.3	66.8	67.5	67.7	67.7	68.5	69.0	69.0	70.9	70.9	72.4	72.7	
0.2	52.9	58.9	62.1	64.4	67.3	67.8	68.5	68.6	68.6	69.5	70.0	70.0	71.9	71.9	73.4	73.7	
0.1	54.4	60.7	64.3	66.8	70.3	70.8	71.9	72.0	72.0	72.9	73.4	73.4	75.2	75.2	76.7	77.1	
0.05	55.4	62.7	66.4	69.6	73.7	74.2	76.0	76.2	76.2	77.1	77.9	77.9	79.8	79.8	81.3	81.7	
0.02	55.8	63.2	67.4	70.3	74.5	75.0	77.1	77.3	77.3	78.7	79.6	79.6	81.5	81.5	83.0	83.4	
0.01	55.9	63.8	68.0	70.9	75.2	75.6	78.1	78.3	78.3	79.8	80.7	80.7	82.7	82.7	84.1	84.5	
0.005	56.2	64.1	68.4	71.3	75.8	76.6	78.9	79.2	79.2	80.7	81.5	81.5	83.5	83.5	85.0	85.4	
0.002	56.7	64.2	68.5	71.5	76.6	77.4	80.2	80.7	80.7	82.2	83.1	83.1	85.3	85.3	86.9	87.2	
0.001	56.8	64.8	69.2	72.2	77.4	78.2	81.3	82.4	82.4	83.5	84.6	84.6	87.0	87.0	88.6	89.0	
0.0005	56.3	65.2	69.9	73.1	78.6	79.6	83.3	84.3	84.4	86.1	87.6	88.0	90.5	90.6	92.6	92.9	
0.0002	56.7	65.3	70.7	73.2	79.8	79.8	83.9	85.4	85.6	87.5	89.5	89.8	92.6	92.7	94.8	95.4	
0.0001	55.9	65.3	70.7	73.2	79.8	79.8	83.8	85.4	85.6	88.1	90.2	90.6	93.7	93.9	95.9	96.5	
0.00005	55.9	65.3	70.7	73.2	79.8	79.8	83.8	85.4	85.6	88.1	90.2	90.6	93.7	93.9	95.9	96.5	
0.00002	56.9	65.3	70.7	73.2	79.8	79.8	83.8	85.4	85.6	88.1	90.2	90.6	93.7	93.9	95.9	96.5	
0.00001	56.7	65.3	70.7	73.2	79.8	79.8	83.8	85.4	85.6	88.1	90.2	90.6	93.7	93.9	95.9	96.5	

TOTAL NUMBER OF OBSERVATIONS 67

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

73-127 CAPE ROMANZOF AFS AK

73-01

145

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

4600-6600

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥20000	29.8	32.3	34.5	35.2	36.2	36.2	36.9	37.3	37.4	38.7	39.2	39.4	40.1	40.1	40.4	40.4
18000	30.5	33.0	35.2	36.1	37.2	37.2	37.9	38.3	38.4	39.7	40.3	40.4	41.1	41.1	41.4	41.4
16000	30.9	33.4	35.6	36.5	37.6	37.6	38.3	38.7	38.8	40.1	40.6	40.9	41.5	41.5	41.7	41.7
14000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.4	42.1	42.1	42.4	42.4
12000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
10000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
8000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
6000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
4000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
2000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
1000	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
500	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
200	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
100	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
50	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
25	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
12	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
6	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
3	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
1	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7
0	31.5	34.0	36.2	37.1	38.2	38.2	38.9	39.3	39.4	40.6	41.3	41.6	42.5	42.5	42.7	42.7

TOTAL NUMBER OF OBSERVATIONS 145

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-11-60 CAPE ROMANOF AFS AK

73-31

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

927-1100

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0-500	24.3	26.1	26.4	26.9	28.1	26.2	29.1	29.3	29.6	30.3	30.7	31.0	31.9	31.9	32.0	32.0
501-1000	24.7	26.7	27.0	27.5	28.8	29.4	30.1	30.3	30.6	31.3	31.6	32.1	33.0	33.0	33.1	33.1
1001-1500	25.5	27.5	28.0	28.5	29.9	30.1	31.2	31.4	31.7	32.5	33.1	33.5	34.7	34.7	34.8	34.8
1501-2000	25.9	28.3	28.5	29.0	30.4	30.6	31.7	31.9	32.1	33.0	33.6	34.0	35.2	35.2	35.3	35.3
2001-2500	26.1	28.2	29.7	29.2	30.7	30.8	31.9	32.1	32.4	33.3	34.0	34.4	35.6	35.6	35.7	35.7
2501-3000	26.7	28.8	29.3	29.8	31.3	31.4	32.5	32.8	33.0	33.9	34.5	35.0	36.2	36.2	36.3	36.3
3001-3500	27.5	29.6	30.1	30.6	32.0	32.1	33.3	33.5	33.7	34.6	35.3	35.7	36.9	36.9	37.1	37.1
3501-4000	27.9	29.9	30.6	31.0	32.5	32.6	33.7	34.0	34.2	35.1	35.8	36.2	37.4	37.4	37.5	37.5
4001-4500	31.6	32.8	33.4	33.9	35.3	35.5	36.6	36.8	37.1	37.9	38.7	39.0	40.4	40.4	40.5	40.5
4501-5000	31.9	34.5	35.2	35.7	37.5	37.7	38.8	39.0	39.3	40.1	40.7	41.2	42.4	42.6	42.9	43.1
5001-5500	32.8	35.3	36.1	36.6	38.4	38.5	39.6	39.9	40.1	41.0	41.7	42.1	43.4	43.4	43.8	43.9
5501-6000	33.4	36.2	36.9	37.4	39.3	39.4	40.5	40.7	41.0	41.5	42.7	43.1	44.7	44.7	45.1	45.4
6001-6500	34.5	37.3	38.0	38.5	40.4	40.5	41.6	41.8	42.1	42.9	43.8	44.2	45.9	45.9	46.5	46.6
6501-7000	37.3	40.4	41.1	41.6	43.6	43.9	45.2	45.4	45.6	46.6	47.5	47.9	49.6	49.6	50.2	50.3
7001-7500	40.2	44.0	45.4	45.9	48.1	48.5	49.7	49.9	50.2	51.3	52.1	52.5	54.2	54.2	54.8	55.0
7501-8000	42.3	46.5	47.0	48.5	50.8	51.2	52.4	52.8	53.0	54.5	55.3	55.7	57.4	57.4	58.0	58.2
8001-8500	44.3	48.3	49.9	50.6	52.9	53.3	54.5	54.8	55.1	56.7	57.5	57.9	59.6	59.6	60.4	60.6
8501-9000	46.1	50.2	52.8	53.4	55.7	56.1	57.3	57.8	58.0	59.6	60.7	61.1	62.8	62.8	63.6	63.7
9001-9500	46.5	51.4	53.6	54.2	56.6	56.9	58.2	58.7	58.9	60.6	61.5	62.0	63.7	63.7	64.4	64.5
9501-10000	48.5	53.7	56.3	57.1	59.5	60.0	61.3	62.0	62.2	63.7	65.0	65.4	67.2	67.2	68.1	68.3
10001-10500	49.7	55.7	58.9	59.6	62.9	63.6	65.2	66.1	66.5	66.5	69.7	71.1	71.9	71.9	72.8	73.1
10501-11000	51.4	56.9	60.4	61.2	64.9	65.5	67.2	68.5	68.8	71.0	72.4	72.8	74.6	74.6	75.5	75.6
11001-11500	53.9	58.2	61.7	62.6	66.3	67.0	68.7	70.1	70.4	72.8	74.2	74.6	76.4	76.4	77.3	77.7
11501-12000	51.0	56.4	62.1	63.2	66.9	67.6	69.4	71.0	71.4	73.9	75.5	75.8	77.8	77.8	78.7	79.0
12001-12500	51.3	59.3	63.1	64.3	68.0	68.7	70.6	72.3	72.6	75.3	76.9	77.3	79.4	79.4	80.2	80.7
12501-13000	52.4	61.5	65.4	66.7	70.6	71.3	73.3	75.1	75.5	78.7	80.4	80.7	82.8	82.8	83.9	84.3
13001-13500	52.9	62.5	66.4	67.7	72.0	72.9	74.8	76.9	77.5	81.3	83.3	83.7	86.3	86.3	87.5	88.0
13501-14000	53.0	62.9	67.1	68.5	72.8	73.6	75.7	77.8	78.4	82.2	85.2	85.5	88.2	88.2	89.4	89.9
14001-14500	53.1	63.4	67.9	69.4	73.9	74.7	77.1	79.1	80.0	84.3	88.5	88.8	91.9	91.9	93.1	93.6
14501-15000	53.1	63.6	69.1	69.7	74.1	75.0	77.3	79.5	80.4	84.9	89.7	90.1	93.4	93.4	94.7	95.2
15001-15500	53.1	63.8	68.3	69.9	74.5	75.3	77.7	80.0	80.9	85.5	90.6	90.9	94.5	94.5	96.1	97.7
15501-16000	53.1	63.9	68.3	69.9	74.5	75.3	77.7	80.0	80.9	85.5	90.7	91.0	94.7	95.1	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 611

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

703120

CAPE ROMANZOF AFS AM

73-61

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1222-1422

CEILING FEET	VISIBILITY - STATUTE MILES															
	240	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1-2400	24.0	26.0	26.2	26.5	27.4	27.5	28.4	28.9	28.9	29.2	30.5	30.6	31.5	31.6	31.9	31.9
2-2400	25.1	27.1	27.4	27.7	28.5	28.6	29.5	30.0	30.0	30.4	32.0	32.1	33.0	33.1	33.4	33.4
3-2400	26.2	28.2	28.5	29.0	29.9	30.0	30.9	31.5	31.5	31.9	33.5	33.6	34.8	35.0	35.4	35.5
4-2400	27.0	29.1	29.4	29.9	30.7	30.9	31.7	32.4	32.4	32.7	34.4	34.5	35.6	35.7	36.4	36.5
5-2400	27.6	29.9	30.2	30.7	31.6	31.7	32.6	33.2	33.7	33.6	35.3	35.4	36.5	36.9	37.3	37.4
6-2400	28.7	31.1	31.5	32.0	32.7	33.1	34.0	34.6	34.6	35.0	36.6	36.8	37.9	38.3	38.6	38.6
7-2400	29.5	32.1	32.5	33.0	34.0	34.1	35.0	35.6	35.6	36.0	37.6	37.8	38.9	39.3	39.6	39.6
8-2400	29.7	32.4	32.7	33.2	34.4	34.5	35.4	36.0	36.0	36.4	38.0	38.1	39.3	39.6	40.0	40.2
9-2400	32.7	35.4	35.8	36.3	37.4	37.5	38.4	39.0	39.0	39.4	41.0	41.2	42.3	42.7	43.0	43.0
10-2400	34.8	37.4	37.8	38.3	39.5	39.6	40.5	41.2	41.2	41.5	43.2	43.3	44.4	44.8	45.2	45.3
11-2400	35.5	38.1	38.5	39.0	40.3	40.4	41.4	42.0	42.0	42.4	44.0	44.2	45.3	45.7	46.0	46.2
12-2400	36.6	39.3	39.6	40.2	41.4	41.5	42.5	43.2	43.2	43.5	45.2	45.3	46.4	46.8	47.2	47.3
13-2400	37.4	40.2	40.5	41.0	42.3	42.4	43.4	44.0	44.0	44.4	46.0	46.2	47.3	47.7	48.1	48.2
14-2400	39.5	42.5	42.9	43.4	44.7	44.8	45.9	46.4	46.4	46.9	48.6	48.7	49.9	50.4	50.8	50.9
15-2400	42.3	45.3	45.8	46.3	47.6	47.7	48.9	49.6	49.6	50.2	51.8	51.9	53.3	53.8	54.2	54.3
16-2400	44.5	47.9	48.4	48.9	50.3	50.6	52.4	53.2	53.2	54.2	55.9	56.0	57.3	57.8	58.2	58.3
17-2400	47.9	51.9	52.6	53.1	54.5	54.7	56.5	57.3	57.3	58.3	60.0	60.1	61.5	62.0	62.4	62.6
18-2400	49.7	54.3	55.1	55.7	57.1	57.3	59.3	60.2	60.2	61.2	62.9	63.0	64.4	64.9	65.6	65.9
19-2400	49.9	54.7	55.5	56.1	57.5	57.7	59.7	60.6	60.6	61.6	63.2	63.4	64.7	65.2	66.0	66.2
20-2400	51.4	56.7	58.0	58.7	60.2	60.6	62.7	63.6	63.6	64.7	66.4	66.6	68.0	68.5	69.5	69.8
21-2400	52.6	58.7	60.1	61.2	63.4	64.0	66.2	67.4	67.5	68.9	70.5	70.6	72.3	72.8	73.8	74.0
22-2400	53.3	59.7	61.1	62.5	65.0	65.6	67.9	69.3	69.5	71.0	72.6	72.9	74.5	75.0	76.2	76.5
23-2400	54.2	60.9	62.4	63.9	66.6	67.3	69.6	71.3	71.5	73.3	75.2	75.4	77.0	77.5	78.7	79.0
24-2400	54.3	61.1	62.7	64.2	67.0	67.6	70.0	72.1	72.4	74.3	76.2	76.4	78.3	78.8	79.9	80.4
25-2400	54.7	61.9	63.5	65.0	68.0	68.6	71.4	73.7	73.9	75.8	77.7	77.9	79.8	80.3	81.4	81.9
26-2400	55.6	63.6	65.5	67.1	70.8	71.4	74.3	76.9	77.2	79.3	82.1	82.3	84.3	84.8	85.9	86.4
27-2400	56.1	64.5	66.6	68.3	72.0	72.6	75.5	78.7	78.9	81.4	84.4	84.8	87.3	87.8	89.1	89.6
28-2400	56.1	64.9	67.1	69.0	72.9	73.5	76.5	79.8	80.2	82.9	87.0	87.3	90.0	90.5	91.7	92.5
29-2400	56.1	65.0	67.5	69.5	73.4	74.0	77.2	80.4	80.8	84.1	88.6	89.0	91.7	92.3	93.6	94.4
30-2400	56.1	65.1	67.6	69.8	73.8	74.4	77.5	80.8	81.2	84.6	89.7	90.2	93.1	93.7	95.0	96.0
31-2400	56.1	65.2	67.8	69.9	73.9	74.5	77.7	80.9	81.4	85.1	90.5	91.0	94.7	94.8	95.9	97.6
32-2400	56.1	65.2	67.8	69.9	73.9	74.5	77.7	80.9	81.4	85.1	90.5	91.0	94.7	94.8	95.9	97.6

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-61  
YEAR

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOUR

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	27	21	24	21	24	2	25	24	20	
1000	24.6	26.5	26.7	27.2	27.8	28.1	28.3	28.8	28.8	28.9	29.1	29.1	29.6	29.7	30.1	
2000	25.4	27.3	27.5	28.0	28.6	28.9	29.1	29.6	29.6	29.7	29.9	29.9	30.4	31.0	31.4	
3000	26.5	28.5	28.6	29.1	29.7	30.1	30.2	30.7	30.7	30.9	31.0	31.0	31.5	32.3	32.6	
4000	27.2	29.1	29.3	29.7	30.4	30.7	30.9	31.4	31.4	31.5	31.7	31.7	32.3	33.1	33.6	
5000	27.3	29.3	29.4	29.9	30.5	30.9	31.0	31.5	31.5	31.7	31.8	31.8	32.5	33.3	33.8	
6000	28.5	30.4	30.5	31.0	31.7	32.0	32.2	32.6	32.6	33.1	33.3	33.3	33.9	34.7	35.2	
7000	28.6	30.5	31.7	31.4	32.0	32.3	32.5	33.0	33.0	33.4	33.6	33.6	34.6	35.4	35.9	
8000	29.9	30.9	31.2	31.6	32.5	32.8	33.1	33.6	33.6	34.1	34.2	34.2	35.2	36.0	36.5	
9000	30.7	32.6	33.0	33.8	34.4	34.7	35.0	35.5	35.5	36.0	36.2	36.2	37.1	37.9	38.4	
10000	34.6	36.5	36.8	37.6	38.3	38.6	39.1	39.5	39.5	40.0	40.2	40.2	41.2	42.0	42.4	
11000	35.4	37.3	37.6	38.4	39.1	39.4	39.9	40.4	40.4	40.8	41.0	41.0	42.0	42.6	43.2	
12000	38.3	40.4	40.7	41.5	42.1	42.4	42.9	43.4	43.4	43.9	44.1	44.1	45.0	45.8	46.3	
13000	39.6	40.7	41.0	41.8	42.4	42.8	43.2	43.7	43.7	44.2	44.4	44.4	45.3	46.1	46.6	
14000	40.2	42.4	43.1	43.9	44.7	45.0	45.5	46.0	46.0	46.5	46.8	46.8	47.9	48.7	49.2	
15000	42.9	45.8	46.5	47.3	48.1	48.4	48.9	49.4	49.4	50.2	50.5	50.5	52.1	52.9	53.4	
16000	45.7	48.9	49.5	50.3	51.3	51.6	52.6	53.1	53.1	53.9	54.2	54.2	55.8	56.6	57.1	
17000	47.3	51.3	52.1	53.1	54.0	54.5	55.5	55.9	55.9	56.8	57.4	57.4	59.0	59.8	60.3	
18000	49.0	53.4	54.3	55.5	56.6	57.1	58.2	58.7	58.7	59.5	60.1	60.1	61.7	62.5	63.0	
19000	49.0	53.5	54.5	55.6	56.8	57.2	58.4	58.8	58.8	59.6	60.3	60.3	61.9	62.7	63.2	
20000	50.5	55.3	56.6	57.7	58.8	59.3	60.9	61.4	61.4	62.7	63.5	63.8	65.4	66.2	66.7	
21000	52.7	58.0	60.0	61.6	62.9	63.5	65.3	65.8	65.8	67.2	68.0	68.3	69.9	70.7	71.2	
22000	53.9	59.5	61.7	63.3	65.4	66.1	67.8	68.5	68.6	70.1	70.9	71.2	72.8	73.6	74.3	
23000	54.3	60.1	62.7	64.3	66.6	67.4	69.1	70.4	70.6	72.5	73.3	73.6	75.6	76.4	77.1	
24000	54.8	60.6	63.3	65.0	67.2	68.3	70.1	71.5	71.7	74.0	75.2	75.6	77.5	78.3	78.9	
25000	55.0	60.8	63.5	65.1	67.4	68.5	70.4	72.3	72.7	74.9	76.5	76.8	78.9	79.9	80.5	
26000	55.1	61.3	64.3	66.1	68.6	69.8	71.9	74.0	74.3	77.3	79.3	79.6	81.8	83.4	84.1	
27000	55.5	61.9	65.4	67.2	69.8	71.1	73.5	76.5	76.8	80.1	82.2	82.5	84.9	86.5	87.5	
28000	55.8	62.2	65.9	67.7	70.3	71.9	74.3	77.3	77.8	81.5	84.2	84.6	87.0	88.6	89.5	
29000	55.8	62.2	66.1	67.8	70.4	72.0	74.8	78.3	78.9	83.3	86.3	86.7	89.2	90.8	92.1	
30000	55.8	62.2	66.1	67.8	70.4	72.0	74.9	78.5	79.1	83.4	86.7	87.0	90.4	92.0	93.4	
31000	55.8	62.4	66.2	68.0	70.6	72.2	75.7	79.3	79.9	84.6	88.4	88.7	92.3	93.9	95.3	
32000	55.8	62.4	66.2	68.0	70.6	72.2	75.7	79.3	79.9	84.6	89.2	89.5	93.1	94.7	96.8	

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 0120 CAPE ROMANZOF AFS AK

73,78-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1900

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	24.7	25.2	25.7	25.7	27.1	27.1	27.1	27.1	27.1	27.1	27.3	27.3	27.6	27.6	27.6	27.6
18000	25.5	26.0	26.5	26.5	27.9	27.9	27.9	27.9	27.9	27.9	28.1	28.1	28.4	28.4	28.4	28.4
16000	27.9	28.6	29.2	29.2	30.5	30.5	30.5	30.5	30.5	30.5	30.8	30.8	31.0	31.0	31.0	31.0
14000	29.2	30.0	30.5	30.5	31.8	31.8	31.8	31.8	31.8	31.8	32.1	32.1	32.4	32.4	32.4	32.4
12000	29.4	30.2	30.7	30.6	32.4	32.4	32.4	32.4	32.4	32.4	32.6	32.6	32.9	32.9	32.9	32.9
10000	30.5	31.3	31.8	31.8	33.4	33.4	33.4	33.4	33.4	33.4	33.7	33.7	34.0	34.0	34.0	34.0
8000	30.5	31.3	31.8	31.8	33.4	33.4	33.4	33.4	33.4	33.4	33.7	33.7	34.0	34.0	34.0	34.0
6000	31.0	32.1	32.6	32.6	34.2	34.2	34.2	34.2	34.2	34.2	34.5	34.5	34.7	34.7	34.7	34.7
4000	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
2000	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
1000	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
500	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
200	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
100	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
50	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
20	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
10	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
5	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
2	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
1	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3
0	31.6	32.6	33.2	33.2	34.7	34.7	34.7	34.7	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.3

TOTAL NUMBER OF OBSERVATIONS 377

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

700120

CAPE ROMANZOF AFS AK

74-81

JAN

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

		VISIBILITY - STATUTE MILES																
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	FEET	34.3	36.7	37.6	37.6	38.0	38.0	38.4	38.4	38.4	39.3	39.9	39.9	40.8	40.8	41.0	41.0	41.0
900		33.1	37.5	38.4	38.4	38.7	38.7	39.1	39.1	39.1	40.0	40.5	40.5	41.5	41.5	41.7	41.7	41.7
800		36.7	39.3	40.2	40.4	40.8	41.3	41.3	41.3	41.7	42.3	42.8	42.8	43.7	43.7	43.9	43.9	43.9
700		37.3	40.0	41.0	41.1	41.5	41.5	42.1	42.1	42.1	43.0	43.5	43.5	44.5	44.5	44.9	44.9	44.9
600		37.6	40.4	41.3	41.5	41.9	41.9	42.4	42.4	42.4	43.4	43.9	43.9	44.8	44.8	45.2	45.2	45.2
500		37.8	40.6	41.5	41.7	42.1	42.1	42.6	42.6	42.6	43.5	44.1	44.1	45.0	45.0	45.4	45.4	45.4
400		38.2	41.0	41.9	42.1	42.4	42.4	43.0	43.0	43.0	43.9	44.5	44.5	45.9	45.9	46.1	46.1	46.1
300		38.4	41.1	42.1	42.3	42.6	42.6	43.2	43.2	43.2	44.1	44.6	44.6	45.9	45.9	46.3	46.3	46.3
200		39.5	42.3	43.2	43.4	43.7	43.7	44.3	44.3	44.3	45.2	45.8	45.8	47.1	47.1	47.4	47.4	47.4
100		41.7	44.5	45.4	45.6	45.9	45.9	46.5	46.5	46.5	47.4	48.0	48.0	49.4	49.4	49.8	49.8	49.8
0		42.4	45.4	46.3	46.5	46.9	46.9	47.4	47.4	47.4	48.3	48.9	48.9	50.4	50.4	50.7	50.7	50.7
		43.5	46.7	48.2	48.3	48.7	48.7	49.3	49.3	49.3	50.2	50.7	50.7	52.6	52.6	53.0	53.0	53.0
		45.2	48.3	50.0	50.2	50.6	50.6	51.1	51.1	51.1	52.0	52.6	52.6	54.6	54.6	55.0	55.0	55.0
		46.3	49.4	51.1	51.3	51.7	51.7	52.2	52.2	52.2	53.1	53.7	53.7	55.7	55.7	56.5	56.5	56.5
		47.4	50.7	52.4	53.0	53.3	53.3	53.9	53.9	53.9	54.8	55.4	55.4	57.7	57.7	58.5	58.5	58.5
		49.6	53.0	54.6	55.2	55.7	55.7	56.3	56.3	56.3	57.4	57.9	57.9	60.3	60.3	61.1	61.1	61.1
		52.0	55.7	57.6	58.3	58.9	58.9	59.4	59.4	59.4	60.5	61.1	61.1	63.5	63.5	64.2	64.2	64.2
		53.7	57.9	59.8	60.7	61.4	61.4	62.0	62.0	62.0	63.1	63.7	63.7	66.1	66.1	66.9	66.9	66.9
		54.4	58.9	60.7	61.8	62.5	62.5	63.3	63.3	63.3	64.4	64.9	64.9	67.3	67.3	68.1	68.1	68.1
		56.3	61.3	63.1	64.2	65.3	65.3	66.1	66.1	66.1	67.3	67.9	67.9	70.3	70.3	71.0	71.0	71.0
		58.5	64.8	66.8	67.9	70.1	70.1	70.8	71.0	71.0	72.5	73.1	73.1	75.6	75.6	76.4	76.4	76.4
		58.7	65.3	67.3	68.8	71.2	71.2	72.1	73.1	73.1	74.5	75.1	75.1	77.9	77.9	78.6	78.6	78.6
		59.3	66.4	68.6	70.5	73.1	73.2	74.2	76.0	76.0	77.5	78.0	78.0	80.8	80.8	81.5	81.5	81.5
		63.0	67.0	69.2	71.0	73.6	74.0	74.9	76.8	76.8	78.2	79.3	79.3	82.1	82.1	82.9	82.9	82.9
		63.1	67.3	69.9	72.0	74.7	75.3	76.2	78.6	78.6	80.1	81.4	81.4	84.1	84.1	84.9	84.9	84.9
		63.3	67.9	70.5	72.9	76.0	76.6	77.5	80.6	80.6	82.3	83.6	83.6	86.3	86.3	87.1	87.1	87.1
		67.5	68.5	71.4	74.2	78.1	78.6	80.6	83.8	83.8	85.4	86.9	86.9	89.9	89.9	90.6	90.6	90.6
		68.5	68.6	71.6	74.4	78.4	79.3	81.4	85.4	85.4	87.1	88.9	88.9	92.6	92.6	93.5	93.5	93.5
		68.5	68.6	71.6	74.4	78.4	79.5	81.7	85.8	85.8	88.0	89.5	89.5	93.7	93.7	94.6	94.6	94.6
		68.5	68.6	71.6	74.4	78.4	79.5	81.7	85.8	85.8	88.0	89.5	89.5	93.7	93.7	94.6	94.6	94.6
		68.5	68.6	71.6	74.4	78.4	79.5	81.7	85.8	85.8	88.0	89.5	89.5	93.7	93.7	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS 42

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70-120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEAR

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES																
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
21000	20.8	31.0	31.9	32.4	33.4	33.5	34.2	34.4	34.5	35.1	35.5	35.7	36.5	36.5	37.7	37.7	37.7
20000	29.6	31.9	32.8	33.3	34.3	34.5	35.1	35.4	35.4	36.1	36.6	36.7	37.5	37.5	39.2	39.2	39.2
19000	30.4	32.7	33.6	34.2	35.2	35.4	36.1	36.3	36.4	37.1	37.6	37.7	39.6	39.6	39.2	39.2	39.2
18000	31.0	33.4	34.3	34.9	35.9	36.1	36.8	37.1	37.1	37.8	38.3	38.4	39.4	39.5	40.7	40.7	40.7
17000	31.3	33.6	34.4	35.2	36.3	36.4	37.1	37.4	37.4	38.1	38.7	38.8	39.8	39.9	40.5	40.5	40.5
16000	31.8	34.2	35.2	35.7	36.8	37.0	37.7	37.9	38.0	38.7	39.3	39.4	40.4	40.5	41.1	41.1	41.1
15000	32.1	34.6	35.6	36.2	37.3	37.5	38.2	38.4	39.5	39.2	39.8	39.9	41.7	41.7	41.1	41.1	41.7
14000	32.6	35.2	36.2	36.8	38.0	38.1	38.9	39.1	39.2	39.9	40.5	40.6	41.6	41.8	42.3	42.3	42.3
13000	34.7	37.3	38.4	39.0	40.2	40.4	41.1	41.3	41.4	42.1	42.7	42.8	43.9	44.1	44.5	44.7	44.7
12000	35.7	39.6	40.7	41.4	42.7	42.9	43.6	43.8	43.5	44.6	45.2	45.4	46.5	46.7	47.4	47.5	47.5
11000	37.6	40.6	41.7	42.4	43.7	43.9	44.6	44.9	44.9	45.7	46.3	46.5	47.7	47.9	48.5	48.6	48.6
10000	37.2	42.3	43.5	44.4	45.8	45.9	46.7	47.3	47.7	47.8	48.5	48.6	50.7	50.7	50.9	51.0	51.0
9000	40.2	43.4	44.7	45.5	47.0	47.1	47.9	48.2	48.2	49.1	49.7	49.8	51.2	51.4	52.1	52.2	52.2
8000	42.5	45.9	47.2	48.1	49.6	49.8	50.6	50.9	50.9	51.7	52.5	52.7	54.1	54.3	55.0	55.1	55.1
7000	44.7	48.4	50.0	50.8	52.5	52.7	53.6	53.8	53.9	54.7	55.6	55.7	57.3	57.5	58.2	58.3	58.3
6000	46.6	50.8	52.5	53.5	55.4	55.6	56.6	56.9	57.0	58.3	58.8	58.9	60.5	60.7	61.5	61.6	61.6
5000	48.3	53.0	54.9	55.9	57.9	58.1	59.2	59.5	59.5	60.6	61.5	61.6	63.2	63.4	64.1	64.3	64.3
4000	49.9	54.9	57.1	58.3	60.5	60.8	61.9	62.2	62.3	63.4	64.3	64.4	65.1	65.2	67.1	67.3	67.3
3000	50.4	55.7	57.9	59.2	61.4	61.7	62.8	63.2	63.7	64.4	65.3	65.5	67.1	67.3	68.1	68.3	68.3
2000	51.9	57.8	61.3	61.6	64.1	64.4	65.7	66.1	66.2	67.4	68.4	68.5	70.7	70.8	71.7	71.8	71.8
1000	53.6	60.3	63.2	64.9	67.9	68.3	69.9	71.4	71.5	71.9	73.1	73.2	74.9	75.1	75.7	76.2	76.2
500	54.2	61.2	64.5	66.3	69.7	70.1	71.9	72.7	72.8	74.4	75.5	75.7	77.5	77.7	78.7	78.9	78.9
200	54.8	62.1	65.5	67.3	70.8	71.4	73.3	74.4	74.6	76.3	77.5	77.7	79.5	79.7	80.7	80.9	80.9
100	55.0	62.5	66.1	68.0	71.7	72.5	74.4	75.8	75.9	77.6	79.2	79.4	81.3	81.4	82.4	82.7	82.7
50	55.2	62.9	66.6	68.6	72.5	73.3	75.5	77.2	77.4	79.3	80.8	81.0	82.9	83.1	84.1	84.5	84.5
20	55.7	63.9	67.7	69.6	74.0	74.9	77.2	79.2	79.4	81.6	83.4	83.6	85.6	85.9	86.9	87.2	87.2
10	56.0	64.5	68.5	70.8	75.5	76.4	79.1	81.4	81.7	84.1	86.1	86.4	88.7	89.0	90.2	90.6	90.6
5	56.1	64.7	68.9	71.2	75.9	77.0	79.8	82.4	82.5	85.5	88.2	88.5	91.0	91.3	92.3	92.8	92.8
2	56.2	64.8	69.1	71.5	76.2	77.3	80.2	82.9	83.4	86.6	89.7	90.1	92.7	93.1	94.5	95.1	95.1
1	56.2	64.8	69.1	71.5	76.3	77.4	80.4	83.1	83.5	86.8	90.2	90.5	93.7	94.0	95.5	96.4	96.4
0	56.2	64.9	69.2	71.6	76.4	77.5	80.5	83.3	83.7	87.2	90.5	91.2	94.5	94.8	96.6	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 584

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72123 CAPE ROMANOF AFS AK  
STATION NAME

73-61

PER

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	42.7	46.7	49.1	49.6	50.9	51.2	51.9	53.0	53.2	53.6	54.7	54.0	54.4	54.4	54.9	55.4
1800	43.3	47.2	49.9	50.4	51.8	52.0	52.8	53.9	54.0	54.4	55.7	55.0	55.4	55.4	55.9	56.4
1600	43.3	47.2	49.9	50.5	52.2	52.5	53.2	54.3	54.4	54.9	55.4	55.4	55.9	55.9	56.3	56.8
1400	43.3	47.2	49.9	50.5	52.2	52.5	53.2	54.3	54.4	54.9	55.4	55.4	55.9	55.9	56.3	56.8
1200	43.3	47.2	49.9	50.5	52.2	52.5	53.2	54.3	54.4	54.9	55.4	55.4	55.9	55.9	56.3	56.8
1000	43.4	47.4	50.1	50.6	52.3	52.6	53.3	54.4	54.6	55.0	55.6	55.6	56.7	56.7	56.4	57.0
800	43.9	47.8	50.5	51.1	52.8	53.0	53.7	54.9	55.0	55.4	56.0	56.0	56.4	56.4	56.8	57.4
600	45.8	49.6	52.5	53.0	54.7	55.0	55.7	56.8	57.0	57.4	58.0	58.0	58.4	58.4	58.8	59.4
400	47.1	51.7	54.6	55.1	57.3	57.5	58.3	59.4	59.5	60.0	60.9	60.8	61.2	61.2	61.6	62.2
200	47.2	52.5	55.1	55.9	58.1	58.4	59.1	60.2	60.4	61.1	61.6	61.5	62.3	62.3	62.9	63.5
100	48.2	53.7	57.0	58.1	60.4	60.6	61.4	62.5	62.6	63.3	63.9	63.9	64.2	64.2	65.0	65.7
50	48.5	54.0	57.3	58.4	60.9	61.2	61.9	63.0	63.2	63.9	64.5	64.5	65.6	65.6	66.0	66.7
25	49.5	55.9	59.1	60.2	62.8	63.5	64.3	65.4	65.6	66.7	67.3	67.3	68.4	68.4	68.8	69.5
12.5	49.8	56.6	59.8	60.9	63.5	64.2	65.0	66.1	66.3	67.4	68.0	68.0	69.1	69.1	69.5	70.2
6.25	50.5	57.3	60.5	61.6	64.3	65.0	65.9	67.0	67.1	68.3	69.1	69.1	70.2	70.2	70.7	71.4
3.125	51.5	59.7	62.3	63.5	66.1	66.9	67.7	68.8	69.0	70.1	71.4	71.4	72.5	72.5	72.9	73.6
1.5625	52.9	60.5	63.9	65.2	68.5	69.3	70.1	71.2	71.4	72.5	73.6	73.6	74.9	74.9	75.5	76.3
0.78125	53.2	60.9	64.6	65.9	69.3	70.0	70.8	71.9	72.1	73.2	74.5	74.5	75.6	75.6	76.2	77.0
0.390625	53.7	61.6	65.3	66.9	70.8	71.5	72.6	73.6	73.9	75.5	76.7	76.7	77.9	77.9	78.4	79.2
0.1953125	55.3	63.2	67.0	69.0	73.5	74.2	75.3	76.4	76.6	78.1	79.7	79.7	80.8	80.8	81.4	82.2
0.09765625	56.6	64.5	68.3	70.2	74.8	75.5	76.6	77.7	77.9	79.4	81.5	81.5	82.7	82.7	83.6	84.6
0.048828125	57.1	65.2	69.7	71.7	76.2	76.9	78.0	79.1	79.3	81.0	83.8	83.8	84.9	84.9	85.6	86.6
0.0244140625	57.4	65.7	70.7	72.8	77.3	78.0	79.4	81.1	81.2	82.9	85.8	85.8	86.9	86.9	87.7	88.7
0.01220703125	58.0	66.4	71.4	73.5	78.1	78.8	80.5	82.4	82.5	84.2	87.2	87.2	88.7	88.7	89.5	90.5
0.006103515625	58.4	66.9	71.9	74.0	79.4	80.3	82.2	84.5	84.9	87.0	90.0	90.0	92.1	92.4	93.7	94.7
0.0030517578125	58.4	66.9	72.4	74.5	80.0	80.8	82.9	85.3	85.5	87.9	91.1	91.1	93.7	93.9	95.7	97.0
0.00152587890625	58.5	67.0	72.5	74.6	80.1	81.0	83.1	85.6	85.8	88.2	91.5	91.7	94.5	94.8	96.7	98.4
0.000762939453125	58.5	67.0	72.5	74.6	80.1	81.0	83.1	85.6	85.8	88.2	91.5	91.7	94.5	94.8	96.7	98.4
0.0003814697265625	58.5	67.0	72.5	74.6	80.1	81.0	83.1	85.6	85.8	88.2	91.5	91.7	94.5	94.8	96.7	98.4
0.00019073486328125	58.5	67.0	72.5	74.6	80.1	81.0	83.1	85.6	85.8	88.2	91.5	91.7	94.5	94.8	96.7	98.4
0.000095367431640625	58.5	67.0	72.5	74.6	80.1	81.0	83.1	85.6	85.8	88.2	91.5	91.7	94.5	94.8	96.7	98.4

TOTAL NUMBER OF OBSERVATIONS 709

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 1125 CAPE ROMANZOF AFS AK

73-31

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

17 10-7500

		VISIBILITY - STATUTE MILES															
		20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1	40.4	44.2	46.9	47.8	49.8	50.3	51.9	51.8	52.0	52.9	53.1	53.3	53.3	53.3	53.3	54.1	
2	40.7	44.5	47.2	48.0	50.1	50.6	51.2	52.1	52.1	52.2	53.2	53.3	53.6	53.6	53.6	54.4	
3	42.2	46.0	48.7	49.5	52.0	52.5	53.1	54.0	54.0	54.1	55.1	55.2	55.5	55.5	55.5	56.3	
4	42.2	46.0	48.7	49.5	52.0	52.5	53.1	54.0	54.0	54.1	55.1	55.2	55.5	55.5	55.5	56.3	
5	42.2	46.0	48.7	49.5	52.0	52.5	53.1	54.0	54.0	54.1	55.1	55.2	55.5	55.5	55.5	56.3	
6	42.2	46.0	48.7	49.5	52.0	52.5	53.1	54.0	54.0	54.1	55.1	55.2	55.5	55.5	55.5	56.3	
7	42.3	46.1	48.8	49.7	52.1	52.6	53.2	54.1	54.1	54.3	55.2	55.4	55.6	55.6	55.6	56.4	
8	42.5	46.3	49.0	49.8	52.2	52.6	53.3	54.3	54.3	54.4	55.4	55.5	55.8	55.8	55.9	56.6	
9	43.1	47.4	51.1	50.9	53.6	54.1	54.7	55.6	55.6	55.8	57.3	57.4	57.7	57.7	57.7	58.5	
10	44.7	48.8	51.6	52.4	55.2	55.9	56.4	57.4	57.5	57.8	59.3	59.4	59.7	59.7	59.7	60.5	
11	44.1	49.1	51.8	52.6	55.5	56.2	56.7	57.7	57.8	58.1	59.6	59.7	60.7	60.7	60.7	61.1	
12	45.0	50.1	53.1	54.5	58.1	58.8	59.3	60.2	60.4	60.7	62.3	62.4	63.7	63.7	63.7	64.0	
13	45.5	51.3	54.3	55.6	59.4	60.1	60.7	61.6	61.7	62.0	63.6	63.8	64.3	64.3	64.3	65.4	
14	45.7	52.3	55.6	57.3	61.2	62.0	63.0	63.9	64.0	64.7	66.4	66.5	67.0	67.0	67.0	68.1	
15	46.5	53.6	57.3	58.9	63.1	63.9	64.9	65.8	65.9	66.5	68.2	68.4	68.9	68.9	68.9	70.0	
16	47.5	54.5	58.3	60.1	64.3	65.1	66.1	67.0	67.2	67.8	69.5	69.5	70.1	70.1	70.1	71.0	
17	48.6	55.6	61.0	61.7	66.2	67.0	68.0	68.9	69.1	69.7	71.5	71.5	72.6	72.6	72.6	73.7	
18	49.4	56.4	61.9	62.7	67.6	68.4	69.3	70.0	70.4	71.1	73.0	73.1	73.9	73.9	73.9	75.0	
19	50.2	57.5	61.9	63.8	69.3	70.1	71.5	72.5	72.6	73.3	75.0	75.0	75.3	75.3	75.3	76.1	
20	50.9	58.2	62.7	64.7	70.6	71.4	72.9	73.8	73.9	75.0	76.9	77.1	77.9	77.9	77.9	79.0	
21	52.1	59.6	64.7	66.9	73.5	74.4	75.8	76.3	76.9	78.0	80.0	80.5	81.3	81.3	81.3	82.6	
22	52.9	60.8	66.2	68.4	75.3	76.1	77.6	78.6	78.7	79.9	82.0	82.4	83.2	83.2	83.2	84.0	
23	53.1	61.3	66.8	69.1	76.0	76.8	78.7	79.8	79.9	81.1	83.9	84.0	84.8	84.8	84.8	86.7	
24	53.1	61.7	67.7	70.1	77.3	78.2	80.1	81.4	81.5	83.2	86.2	86.3	87.5	87.5	87.5	89.4	
25	53.3	62.1	68.1	70.6	77.7	78.6	80.7	82.1	82.4	84.0	87.1	87.2	88.6	88.6	88.6	90.7	
26	53.6	62.7	68.7	71.2	79.1	79.9	82.1	84.0	84.3	86.3	89.6	89.7	91.5	91.5	91.5	93.6	
27	53.7	63.1	69.5	72.0	79.9	80.7	82.9	85.0	85.1	87.5	90.9	91.0	93.1	93.1	93.1	95.7	
28	53.7	63.1	69.5	72.0	79.9	80.9	83.0	85.1	85.3	87.9	91.5	91.6	93.8	93.8	93.8	96.7	
29	53.7	63.1	69.5	72.0	79.9	80.9	83.2	85.2	85.5	87.9	91.6	91.7	94.0	94.0	94.0	97.0	
30	53.7	63.1	69.5	72.0	79.9	80.9	83.2	85.2	85.5	87.9	91.9	92.0	94.3	94.4	94.4	97.5	
31	53.7	63.2	69.5	72.2	80.1	81.0	83.3	85.3	85.6	88.1	92.0	92.1	94.4	94.5	94.5	97.7	

TOTAL NUMBER OF OBSERVATIONS 377

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-120 CAPE ROMANZOF AFS AK

73-51

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEET	20	26	28	24	22	20	18	16	14	12	10	8	6	4	2	0
1000	36.1	40.1	42.5	42.4	44.6	44.9	45.4	46.5	46.7	46.7	47.5	47.9	48.4	48.4	49.1	49.7
900	37.1	41.2	43.7	43.4	45.8	46.1	46.5	47.7	47.7	48.1	48.5	49.1	49.7	50.1	50.7	51.0
800	37.4	41.6	43.7	44.1	46.6	46.9	47.5	48.5	48.5	49.1	49.7	50.1	50.7	51.3	51.7	52.0
700	37.7	41.8	44.3	44.4	46.9	47.2	47.7	48.6	48.6	49.3	49.7	50.1	50.7	51.3	51.6	52.3
600	37.7	41.8	44.3	44.4	46.9	47.2	47.7	48.6	48.6	49.3	49.7	50.1	50.7	51.3	51.6	52.3
500	37.9	42.2	44.4	44.8	47.5	47.7	48.3	49.3	49.3	49.7	50.1	50.7	51.3	51.5	51.5	52.4
400	38.1	42.4	44.5	44.9	47.6	47.9	48.4	49.5	49.5	49.7	50.1	50.7	51.3	51.5	51.5	52.4
300	39.1	44.3	46.1	46.6	49.5	49.9	50.4	51.5	51.5	52.0	52.4	52.9	53.4	53.4	54.4	55.1
200	41.2	45.2	47.3	47.9	50.9	51.3	52.3	53.5	53.5	54.0	54.5	55.0	55.5	55.5	56.4	57.1
100	43.6	45.7	47.9	48.5	51.7	52.1	53.1	54.3	54.3	54.7	55.2	55.7	56.2	56.7	57.4	58.1
50	42.0	46.9	49.7	50.4	53.8	54.2	55.1	56.3	56.7	56.8	57.2	57.7	58.2	58.7	59.4	60.1
25	42.1	47.2	50.4	51.1	54.6	55.1	56.0	57.2	57.7	57.8	58.3	58.8	59.3	59.9	60.6	61.3
10	43.3	48.3	51.0	52.8	56.7	57.1	58.4	59.7	59.7	60.7	61.2	61.7	62.2	62.7	63.7	64.3
5	44.3	49.5	53.1	54.0	58.3	58.7	59.2	61.4	61.4	62.5	63.0	63.5	64.1	64.7	65.4	66.1
2	44.8	50.5	54.2	55.4	59.9	60.5	62.1	63.3	63.7	64.3	64.7	65.2	65.8	66.5	67.3	68.0
1	45.5	51.3	55.1	56.4	61.0	61.5	63.1	64.3	64.7	65.4	65.8	66.4	67.0	67.7	68.4	69.1
0.5	46.6	53.2	57.0	58.3	63.0	63.7	65.3	67.0	67.0	68.2	68.7	69.3	70.0	70.7	71.4	72.1
0.2	47.6	54.6	58.4	59.8	64.7	65.4	67.7	68.9	68.9	70.1	71.1	71.5	72.8	73.4	74.1	74.8
0.1	48.4	55.6	59.7	61.3	66.1	66.8	69.1	70.4	70.4	71.7	73.2	73.5	74.4	74.4	75.2	75.9
0.05	51.0	57.8	61.5	63.3	69.9	69.6	72.1	73.5	73.5	75.2	77.1	77.3	78.3	78.7	79.1	80.1
0.02	53.9	59.1	63.4	64.9	70.6	71.3	73.7	75.3	75.3	77.2	79.1	79.4	81.6	81.7	81.4	82.7
0.01	51.6	59.8	64.3	65.8	71.6	72.3	74.7	76.3	76.4	78.7	80.6	80.8	82.2	82.3	83.7	84.5
0.005	52.3	60.5	65.4	66.9	73.1	73.9	76.5	78.7	78.7	81.4	83.3	84.2	85.5	85.7	86.6	87.8
0.002	52.3	60.9	65.8	67.3	73.5	74.3	77.1	79.2	79.4	82.7	84.6	84.9	86.5	86.5	87.6	88.7
0.001	52.9	61.7	66.8	68.4	75.7	76.5	79.4	81.6	81.8	84.7	87.8	88.1	89.7	89.7	91.1	92.3
0.0005	53.1	61.8	66.9	68.5	75.9	76.7	79.8	82.3	82.4	85.4	88.9	89.3	91.9	91.7	92.5	94.0
0.0002	53.1	61.8	66.9	68.5	75.9	76.7	79.8	82.3	82.4	85.4	88.9	89.3	91.9	91.7	92.5	94.0
0.0001	53.1	61.8	66.9	68.5	75.9	76.7	79.8	82.3	82.4	85.4	88.9	89.3	91.9	91.7	92.5	94.0
0.00005	53.1	61.8	66.9	68.5	75.9	76.7	79.8	82.3	82.4	85.4	88.9	89.3	91.9	91.7	92.5	94.0
0.00002	53.1	61.8	66.9	68.5	75.9	76.7	79.8	82.3	82.4	85.4	88.9	89.3	91.9	91.7	92.5	94.0
0.00001	53.1	61.8	66.9	68.5	75.9	76.7	79.8	82.3	82.4	85.4	88.9	89.3	91.9	91.7	92.5	94.0

TOTAL NUMBER OF OBSERVATIONS 745

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-120 CAPE ROMAN OF AFS AK

73-01

F 0

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

73-1-73

ELEVATION FEET		VISIBILITY, STATUTE MILES															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0-10	35.1	37.5	38.3	38.4	39.6	39.6	40.4	40.3	40.9	41.7	42.8	43.1	44.4	44.4	44.5	44.5	44.5
10-20	35.3	38.4	37.7	39.9	41.2	41.2	42.0	42.4	42.4	43.5	44.7	44.9	46.4	46.4	46.5	46.5	46.5
20-30	37.5	41.1	41.5	41.6	42.9	42.7	43.7	44.1	44.1	45.3	46.5	46.8	48.3	48.7	48.4	48.4	48.4
30-40	37.5	41.3	41.6	41.7	43.1	43.1	43.9	44.3	44.3	45.5	46.7	46.8	48.4	48.4	48.5	48.5	48.5
40-50	37.7	43.7	42.0	42.1	43.5	43.5	44.3	44.7	44.7	45.7	47.1	47.3	48.8	48.8	48.9	48.9	48.9
50-60	38.3	41.2	42.5	42.7	44.0	44.0	44.6	45.2	45.2	46.4	47.5	47.7	49.2	49.2	49.3	49.3	49.3
60-70	38.3	41.2	42.5	42.7	44.0	44.0	44.6	45.2	45.2	46.4	47.7	47.7	49.2	49.2	49.3	49.3	49.3
70-80	39.3	41.2	42.5	42.7	44.0	44.0	44.6	45.2	45.2	46.4	47.7	47.7	49.2	49.2	49.3	49.3	49.3
80-90	39.5	42.8	44.1	44.4	45.9	45.9	46.7	47.1	47.1	48.3	49.6	49.9	51.3	51.3	51.3	51.3	51.3
90-100	40.4	44.1	45.5	45.9	47.3	47.3	48.4	48.9	48.9	50.1	51.5	51.7	53.2	53.2	53.2	53.2	53.2
100-110	41.3	44.5	45.7	46.3	47.7	47.7	48.9	49.3	49.3	50.5	52.0	52.0	53.4	53.4	53.4	53.4	53.4
110-120	42.3	46.0	47.3	47.7	49.2	49.2	50.3	50.8	50.8	52.0	53.5	53.7	55.2	55.2	55.2	55.2	55.2
120-130	42.5	46.4	47.7	48.1	49.6	49.6	51.1	51.5	51.5	52.8	54.3	54.7	56.2	56.2	56.2	56.2	56.2
130-140	44.7	48.8	50.1	51.1	52.5	52.5	54.3	54.7	54.7	56.2	57.7	57.7	59.2	59.2	59.2	59.2	59.2
140-150	45.7	50.1	51.5	52.4	54.0	54.0	55.9	56.5	56.5	57.9	59.3	59.3	60.8	60.8	60.8	60.8	60.8
150-160	47.1	51.9	53.7	54.4	56.0	56.0	57.9	58.5	58.5	59.9	61.3	61.3	62.8	62.8	62.8	62.8	62.8
160-170	48.4	53.5	55.7	56.0	57.7	57.7	59.5	60.3	60.3	61.6	63.0	63.0	64.5	64.5	64.5	64.5	64.5
170-180	50.4	55.7	57.6	58.4	60.4	60.4	62.3	62.9	62.9	64.3	65.7	65.7	67.2	67.2	67.2	67.2	67.2
180-190	50.7	56.3	58.1	58.9	60.9	60.9	62.8	63.5	63.5	64.8	66.2	66.2	67.7	67.7	67.7	67.7	67.7
190-200	52.1	57.5	59.7	60.3	62.3	62.3	64.3	64.7	64.7	66.4	67.7	67.7	69.2	69.2	69.2	69.2	69.2
200-210	52.7	58.3	60.3	61.2	63.5	63.5	65.3	65.7	65.7	67.2	68.6	68.6	70.1	70.1	70.1	70.1	70.1
210-220	53.1	58.8	61.1	62.0	64.5	64.5	66.3	66.9	66.9	68.3	69.7	69.7	71.2	71.2	71.2	71.2	71.2
220-230	53.1	59.2	61.6	62.7	65.3	65.3	67.1	67.4	67.4	68.9	70.3	70.3	71.8	71.8	71.8	71.8	71.8
230-240	53.1	59.3	61.7	63.1	65.0	65.0	66.7	67.1	67.1	68.6	70.0	70.0	71.5	71.5	71.5	71.5	71.5
240-250	53.1	59.3	62.0	63.5	65.7	65.7	67.5	67.8	67.8	69.3	70.7	70.7	72.2	72.2	72.2	72.2	72.2
250-260	53.6	60.1	63.2	64.5	66.7	66.7	68.5	68.9	68.9	70.4	71.8	71.8	73.3	73.3	73.3	73.3	73.3
260-270	54.0	60.5	63.7	65.7	67.5	67.5	69.3	69.7	69.7	71.2	72.6	72.6	74.1	74.1	74.1	74.1	74.1
270-280	54.1	60.7	63.9	65.9	67.9	67.9	69.8	70.1	70.1	71.6	73.0	73.0	74.5	74.5	74.5	74.5	74.5
280-290	54.3	60.8	64.0	66.1	68.1	68.1	70.0	70.4	70.4	71.9	73.3	73.3	74.8	74.8	74.8	74.8	74.8
290-300	54.4	60.9	64.1	66.3	68.3	68.3	70.2	70.6	70.6	72.1	73.5	73.5	75.0	75.0	75.0	75.0	75.0
300-310	54.4	60.9	64.1	66.3	68.3	68.3	70.2	70.6	70.6	72.1	73.5	73.5	75.0	75.0	75.0	75.0	75.0

TOTAL NUMBER OF OBSERVATIONS 75



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

701120 CAPE ROMANCOF AFS AK

73-81

FLP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

15-2-170

CEILING FEET	VISIBILITY STATUTE MILES															
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
100	34.5	37.7	38.9	39.4	40.8	40.8	41.8	41.9	41.9	42.9	43.8	43.8	44.7	44.7	44.7	44.7
150	37.6	38.8	40.0	40.7	42.1	42.1	43.2	43.2	43.3	44.3	45.5	45.5	45.7	45.7	46.2	46.2
200	37.7	39.9	41.1	41.8	43.2	43.2	44.4	44.6	44.7	45.7	46.9	46.7	47.1	47.1	47.6	47.9
250	36.2	40.0	41.3	41.9	43.3	43.3	44.6	44.7	44.7	45.8	47.1	47.1	47.3	47.3	47.7	48.0
300	37.2	40.3	41.6	42.2	43.6	43.6	44.9	45.1	45.2	46.2	47.4	47.4	47.6	47.6	48.0	48.4
350	37.5	40.7	41.9	42.5	44.0	44.0	45.2	45.4	45.5	46.5	47.7	47.7	47.9	47.9	48.4	48.7
400	38.9	42.1	43.3	44.0	45.4	45.4	46.6	46.8	46.9	47.9	49.1	49.1	49.3	49.3	49.8	50.1
450	37.7	42.2	44.1	44.7	46.2	46.2	47.4	47.6	47.7	48.7	49.9	49.9	50.1	50.1	50.5	50.9
500	41.0	44.1	45.4	46.0	47.4	47.6	48.8	49.0	49.1	50.1	51.3	51.3	51.5	51.5	52.0	52.3
550	41.3	44.6	45.8	46.5	47.9	48.2	49.5	49.8	49.9	50.9	52.1	52.1	52.3	52.4	52.9	53.4
600	40.1	45.7	47.1	47.9	49.3	49.6	50.9	51.2	51.3	52.3	53.7	53.7	53.8	53.8	54.3	54.7
650	43.2	46.6	48.2	49.0	50.4	50.7	52.0	52.3	52.4	53.4	54.8	54.8	54.9	54.9	55.4	55.7
700	43.3	47.4	49.0	49.6	51.0	51.3	52.6	52.9	53.1	54.2	55.6	55.6	55.7	55.7	56.2	56.7
750	46.2	49.6	51.2	52.0	53.4	53.7	55.0	55.2	56.0	57.5	58.9	58.9	59.0	59.0	59.5	60.0
800	47.9	51.6	53.2	54.0	55.4	55.7	57.5	58.1	58.0	60.0	61.4	61.4	61.5	61.5	62.0	62.0
850	47.1	52.9	54.8	55.9	57.6	58.1	60.0	60.6	60.6	62.5	63.9	63.9	64.1	64.1	64.5	65.1
900	50.7	54.6	56.5	57.6	59.5	60.0	61.9	62.3	62.6	64.4	65.8	65.8	65.9	65.9	66.4	67.1
950	53.1	57.6	59.7	60.9	62.8	63.3	65.1	65.9	66.1	67.8	69.4	69.5	69.9	70.0	70.6	71.2
1000	53.1	57.6	59.7	60.9	62.8	63.3	65.1	65.9	66.1	67.8	69.4	69.5	69.9	70.0	70.6	71.2
1050	53.7	58.6	60.8	62.0	63.9	64.4	66.2	67.7	67.8	69.5	71.1	71.2	71.6	71.7	72.4	72.9
1100	54.6	60.1	62.6	64.2	66.7	67.2	69.1	70.6	71.0	72.7	74.7	74.9	75.2	75.4	76.0	76.9
1150	54.9	61.1	64.1	65.8	68.4	68.9	71.1	72.7	73.0	74.9	76.9	77.1	77.4	77.6	78.3	79.0
1200	55.6	61.9	65.1	66.9	69.7	70.2	72.4	73.9	74.3	76.3	78.3	78.5	78.8	79.0	79.9	80.5
1250	55.7	62.3	65.3	67.0	70.0	70.5	72.7	74.4	74.9	76.9	79.0	79.1	79.6	79.7	80.7	81.3
1300	55.9	62.5	65.9	67.7	70.6	71.3	73.5	75.7	76.1	78.5	80.5	80.7	81.2	81.3	82.3	83.0
1350	56.2	62.8	66.2	68.3	72.1	72.6	75.2	77.4	77.9	80.8	84.1	84.3	85.4	85.7	86.8	87.7
1400	56.2	63.0	66.4	68.4	72.4	73.2	75.7	77.9	78.5	81.6	85.1	85.2	86.2	86.6	88.1	89.0
1450	56.5	63.6	67.2	69.2	73.3	74.6	77.4	80.2	80.5	84.3	88.7	88.9	90.3	90.6	92.0	92.4
1500	56.7	63.7	67.3	69.4	73.5	74.7	77.6	80.5	81.5	84.9	90.0	90.1	91.8	92.2	93.6	95.6
1550	56.7	63.7	67.3	69.4	73.5	74.9	77.7	80.7	81.6	85.1	90.4	90.6	92.5	92.5	94.2	96.5
1600	56.7	63.7	67.3	69.4	73.5	74.9	77.9	80.8	81.6	85.2	90.6	90.7	92.8	93.1	94.5	97.0
1650	56.7	63.7	67.3	69.4	73.5	74.9	77.9	80.8	81.6	85.2	90.6	90.7	92.8	93.1	94.5	97.0

TOTAL NUMBER OF OBSERVATIONS 137



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-0120 CAPE ROMANZOF AFS AK

74-81

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

11-2-2302

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	200	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0-1000	43.4	46.7	48.5	49.4	50.4	50.6	51.9	52.3	52.3	53.9	53.7	53.9	53.9	53.9	53.9	54.1
1000-2000	44.2	47.5	49.2	50.2	51.4	51.5	52.9	53.3	53.3	54.8	54.8	54.6	54.8	54.8	54.8	55.2
2000-3000	44.8	48.1	49.8	50.8	51.9	52.1	53.5	53.9	53.9	55.6	55.6	55.6	55.6	55.6	55.6	56.0
3000-4000	44.8	48.1	49.8	50.8	51.9	52.1	53.5	53.9	53.9	55.6	55.6	55.6	55.6	55.6	55.6	56.0
4000-5000	45.0	48.3	50.0	51.0	52.1	52.3	53.7	54.1	54.1	55.8	55.8	55.8	55.8	55.8	55.8	56.2
5000-6000	45.2	48.5	50.2	51.2	52.3	52.5	53.9	54.2	54.2	56.0	56.0	56.0	56.0	56.0	56.0	56.4
6000-7000	45.2	48.6	50.4	51.4	52.5	52.7	54.1	54.4	54.4	56.2	56.2	56.2	56.2	56.2	56.2	56.6
7000-8000	45.6	49.0	50.8	51.7	52.9	53.1	54.4	54.8	54.8	56.6	56.6	56.6	56.6	56.6	56.6	56.9
8000-9000	47.9	51.5	53.3	54.2	55.4	55.6	56.9	57.3	57.3	59.1	59.1	59.1	59.1	59.1	59.1	59.5
9000-10000	47.4	53.9	55.6	56.6	57.9	58.1	59.5	59.8	59.8	61.6	61.6	61.6	61.6	61.6	61.6	62.2
10000-11000	50.0	54.8	56.6	57.7	59.5	59.7	61.0	61.4	61.4	63.3	63.3	63.3	63.3	63.3	63.3	63.7
11000-12000	50.8	55.6	58.1	59.3	61.2	61.4	62.7	63.1	63.1	65.1	65.1	65.1	65.1	65.1	65.1	65.5
12000-13000	51.7	57.1	59.3	61.0	62.9	63.1	64.5	64.9	64.9	66.8	66.8	66.8	66.8	66.8	66.8	67.2
13000-14000	51.7	57.1	59.3	61.0	62.9	63.1	64.5	64.9	64.9	66.8	66.8	66.8	66.8	66.8	66.8	67.2
14000-15000	52.3	57.7	60.4	61.6	63.7	64.1	65.4	65.8	65.8	67.8	67.8	67.8	67.8	67.8	67.8	68.2
15000-16000	52.7	58.1	61.0	62.2	64.7	65.1	66.4	66.8	66.8	68.7	68.7	68.7	68.7	68.7	68.7	69.1
16000-17000	53.1	58.7	61.6	62.7	65.3	65.6	67.2	67.6	67.6	69.5	69.5	69.5	69.5	69.5	69.5	70.0
17000-18000	53.7	59.3	62.2	63.5	66.6	67.0	68.5	68.9	68.9	70.8	70.8	70.8	70.8	70.8	70.8	71.2
18000-19000	54.2	59.8	62.9	64.3	67.4	67.8	69.5	69.9	69.9	71.8	71.8	71.8	71.8	71.8	71.8	72.2
19000-20000	55.0	60.8	64.3	65.6	68.7	69.1	71.0	71.4	71.4	73.3	73.3	73.3	73.3	73.3	73.3	73.7
20000-21000	56.2	62.0	65.4	67.2	70.7	71.0	73.2	73.6	73.6	75.7	75.7	75.7	75.7	75.7	75.7	76.1
21000-22000	57.7	64.1	67.5	69.7	73.6	73.9	76.1	76.4	76.4	78.6	78.6	78.6	78.6	78.6	78.6	79.0
22000-23000	58.1	64.5	68.3	70.5	74.3	74.7	76.8	77.2	77.2	79.7	79.7	79.7	79.7	79.7	79.7	80.1
23000-24000	58.1	64.7	69.1	71.2	75.1	75.5	77.6	78.8	79.0	81.5	81.5	81.5	81.5	81.5	81.5	81.9
24000-25000	58.7	65.4	69.9	72.0	75.9	76.3	78.6	79.7	79.9	82.4	82.4	82.4	82.4	82.4	82.4	82.8
25000-26000	58.9	66.0	70.7	73.2	78.6	79.0	81.2	82.6	82.6	84.6	84.6	84.6	84.6	84.6	84.6	85.0
26000-27000	58.9	66.0	70.7	73.2	78.6	79.0	81.2	82.6	82.6	84.6	84.6	84.6	84.6	84.6	84.6	85.0
27000-28000	58.9	66.0	70.7	73.2	78.6	79.0	81.2	82.6	82.6	84.6	84.6	84.6	84.6	84.6	84.6	85.0
28000-29000	58.9	66.0	70.7	73.2	78.6	79.0	81.2	82.6	82.6	84.6	84.6	84.6	84.6	84.6	84.6	85.0
29000-30000	58.9	66.0	70.7	73.2	78.6	79.0	81.2	82.6	82.6	84.6	84.6	84.6	84.6	84.6	84.6	85.0

TOTAL NUMBER OF OBSERVATIONS 518



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

70120 CAPE ROMANZOF AFS AK

73-61

FEB

STATION

STATION NAME

YEAR

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

MO. 1

		VISIBILITY - STATUTE MILES															
		210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. OF	39.2	41.4	42.0	43.4	44.8	45.0	45.8	46.4	46.4	47.2	48.0	48.1	49.5	48.5	48.7	49.1	
2000	38.9	42.3	43.3	44.3	45.9	46.1	46.8	47.5	47.5	48.3	49.2	49.3	49.8	49.8	50.1	50.4	
1800	37.5	43.2	44.0	45.4	47.1	47.2	48.3	48.7	48.7	49.6	50.5	50.6	51.2	51.2	51.4	51.6	
1600	39.8	43.3	45.0	45.5	47.1	47.3	48.1	48.7	48.8	49.7	50.6	50.7	51.2	51.2	51.5	51.9	
1400	40.3	43.5	45.2	45.7	47.4	47.5	48.3	49.0	49.0	49.9	50.8	50.9	51.5	51.5	51.7	52.1	
1200	40.2	43.7	45.4	45.9	47.5	47.7	48.5	49.1	49.2	50.1	51.0	51.1	51.6	51.6	51.9	52.3	
1000	40.6	44.1	45.8	46.3	48.0	48.2	49.0	49.6	49.7	50.5	51.5	51.6	52.2	52.2	52.4	52.9	
800	40.9	44.4	46.1	46.6	48.3	48.5	49.3	49.9	50.0	50.8	51.9	51.9	52.5	52.5	52.8	53.2	
600	42.4	46.1	47.8	48.4	50.1	50.3	51.1	51.8	51.8	52.7	53.8	53.9	54.5	54.5	54.7	55.2	
400	43.3	47.5	49.2	49.8	51.7	52.0	52.9	53.6	53.7	54.7	55.8	55.9	56.5	56.5	56.8	57.3	
200	43.8	48.1	49.9	50.6	52.7	52.9	53.9	54.6	54.7	55.7	56.9	57.0	57.7	57.7	58.0	58.6	
100	45.0	49.3	51.4	52.2	54.4	54.7	55.6	56.4	56.4	57.4	58.7	58.8	59.6	59.6	59.9	60.5	
50	46.4	50.3	52.1	53.0	55.3	55.0	56.5	57.3	57.4	58.4	59.6	59.8	60.6	60.6	60.9	61.5	
25	46.6	51.5	53.8	54.8	57.2	57.5	58.8	59.6	59.6	60.9	62.2	62.4	63.2	63.2	63.5	64.1	
12.5	47.7	52.9	55.3	56.3	58.8	59.1	60.5	61.3	61.4	62.7	64.0	64.2	65.0	65.0	65.4	66.0	
6.25	48.7	54.1	56.6	57.7	60.4	60.8	62.2	63.1	63.1	64.4	65.9	66.0	66.9	66.9	67.3	67.9	
3.125	49.7	55.3	58.0	59.1	61.9	62.3	63.7	64.5	64.6	65.9	67.5	67.7	68.6	68.6	69.1	69.7	
1.5625	51.1	57.1	59.8	60.9	64.1	64.5	66.0	66.9	67.0	68.3	70.0	70.2	71.1	71.2	71.8	72.5	
0.78125	51.6	57.7	60.4	61.6	64.9	65.4	67.0	67.8	67.9	69.2	71.0	71.2	72.1	72.2	72.8	73.5	
0.390625	52.3	58.6	61.4	62.6	66.1	66.6	68.3	69.2	69.3	70.9	72.7	72.9	73.6	74.3	74.5	75.4	
0.1953125	53.4	59.9	63.0	64.4	68.4	69.0	70.8	71.9	72.0	73.6	75.9	76.0	77.0	77.2	77.8	78.7	
0.09765625	54.2	61.1	64.4	66.0	70.2	70.7	72.7	73.8	73.9	75.6	78.1	78.3	79.4	79.6	80.3	81.4	
0.048828125	54.6	61.8	65.4	67.0	71.3	71.9	73.9	75.1	75.3	77.2	79.8	80.0	81.2	81.4	82.2	83.3	
0.0244140625	54.7	62.2	66.1	67.7	72.3	72.9	75.0	76.5	76.7	78.7	81.6	81.8	83.1	83.4	84.2	85.4	
0.01220703125	55.0	62.5	66.5	68.2	72.8	73.5	75.7	77.4	77.7	79.8	82.8	83.0	84.4	84.7	85.5	86.9	
0.006103515625	55.3	63.1	67.2	69.1	74.5	75.2	77.8	79.8	80.2	82.6	86.1	86.3	88.1	88.4	89.4	90.9	
0.0030517578125	55.5	63.3	67.5	69.5	75.0	75.8	78.4	80.6	81.0	83.6	87.5	87.7	89.7	90.0	91.1	92.9	
0.00152587890625	55.6	63.5	67.7	69.7	75.3	76.1	79.1	81.4	81.9	84.6	89.2	89.5	91.7	92.0	93.3	95.4	
0.000762939453125	55.6	63.5	67.8	69.7	75.4	76.2	79.2	81.6	82.2	84.9	89.9	90.2	92.5	92.8	94.2	96.6	
0.0003814697265625	55.6	63.5	67.8	69.7	75.4	76.2	79.3	81.7	82.3	85.1	90.4	90.7	93.0	93.4	94.8	97.0	
0.00019073486328125	55.6	63.5	67.8	69.7	75.4	76.2	79.3	81.7	82.3	85.2	90.5	90.8	93.2	93.6	95.1	98.3	
0.000095367431640625	55.6	63.5	67.8	69.8	75.4	76.3	79.3	81.7	82.3	85.2	90.7	91.0	93.5	93.9	95.6	98.7	

TOTAL NUMBER OF OBSERVATIONS 1226

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

700120 CAPE ROMANZOF AFS AK

73-81

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7000-7200

CEILING FEET	VISIBILITY - STATUTE MILES															
	20.0	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	33.5	39.7	40.9	41.4	43.9	44.1	45.0	45.0	45.5	47.5	49.3	49.3	49.5	49.6	50.0	50.4
900	33.5	39.7	40.9	41.4	43.9	44.1	45.0	45.0	45.5	47.5	49.3	49.3	49.5	49.6	50.0	50.4
800	34.4	40.5	41.8	42.3	44.8	45.0	45.9	45.9	46.4	48.4	50.1	50.1	50.4	50.5	50.9	51.6
700	34.4	40.5	41.8	42.3	44.8	45.0	45.9	45.9	46.4	48.4	50.1	50.1	50.4	50.5	50.9	51.6
600	34.4	40.5	41.8	42.3	44.8	45.0	45.9	45.9	46.4	48.4	50.1	50.1	50.4	50.5	50.9	51.6
500	34.4	40.5	41.8	42.3	44.8	45.0	45.9	45.9	46.4	48.4	50.1	50.1	50.4	50.5	50.9	51.6
400	35.4	41.8	43.0	43.5	46.0	46.3	47.1	47.1	47.6	49.6	51.4	51.4	51.6	51.7	52.1	52.9
300	35.4	41.8	43.0	43.5	46.0	46.3	47.1	47.1	47.6	49.6	51.4	51.4	51.6	51.7	52.1	52.9
200	37.0	43.4	44.6	45.4	47.9	48.1	49.3	49.3	49.8	51.7	53.5	53.5	53.7	53.9	54.2	55.0
100	38.8	45.3	46.5	47.3	49.8	50.0	51.1	51.1	51.6	53.6	55.4	55.4	55.6	55.7	56.1	56.9
0-100	37.0	45.6	47.7	48.1	50.6	50.9	52.0	52.0	52.5	54.5	56.2	56.2	56.5	56.6	57.7	57.7
0-100	40.3	47.4	48.9	50.0	52.5	52.7	53.9	53.9	54.4	56.4	58.1	58.1	58.4	58.5	58.9	59.6
0-100	41.5	47.6	49.5	50.6	53.1	53.4	54.5	54.5	55.0	57.0	58.7	58.7	59.0	59.1	59.5	60.2
0-100	41.5	48.8	51.0	52.5	55.1	55.4	56.5	56.5	57.0	59.0	60.7	60.7	61.1	61.2	61.5	62.3
0-100	43.1	50.7	53.4	54.9	57.9	58.2	59.4	59.4	59.9	61.8	64.0	64.0	64.3	64.5	64.8	65.6
0-100	44.8	52.9	55.5	57.0	60.0	60.3	61.6	61.6	62.1	64.1	66.2	66.2	66.6	66.7	67.1	67.8
0-100	45.3	54.2	57.0	58.6	61.6	62.0	63.2	63.2	63.7	65.7	67.8	67.8	68.2	68.3	68.7	69.5
0-100	47.1	56.2	59.2	60.8	64.0	64.3	65.6	65.6	66.1	68.1	70.3	70.3	70.7	70.8	71.2	71.9
0-100	47.8	56.9	59.9	61.5	64.8	65.2	66.5	66.5	67.0	69.0	71.2	71.2	71.6	71.7	72.1	72.6
0-100	48.9	58.0	61.2	62.8	66.7	67.2	68.6	68.6	69.2	71.4	73.8	73.8	74.2	74.3	74.7	75.4
0-100	50.1	59.6	63.2	65.0	69.0	70.4	71.8	71.8	72.4	74.7	77.3	77.3	78.2	78.3	78.7	79.4
0-100	50.4	60.2	63.8	65.6	71.1	71.8	73.3	73.3	73.9	76.3	79.2	79.3	80.4	80.5	80.9	81.7
0-100	50.9	61.0	64.6	66.5	71.9	72.7	74.2	74.2	74.8	77.3	80.4	80.5	82.2	82.3	82.7	83.4
0-100	51.1	61.8	65.8	67.7	73.4	74.2	75.9	76.4	77.1	79.9	83.4	83.5	85.3	85.4	85.8	86.7
0-100	51.1	62.1	66.2	68.1	74.1	74.8	76.6	77.2	77.9	80.7	84.4	84.5	86.4	86.5	86.9	87.8
0-100	51.2	62.8	67.3	68.8	75.6	76.4	79.2	80.0	80.8	84.3	88.7	88.8	90.9	91.1	92.0	92.9
0-100	51.6	63.3	67.8	70.1	76.9	77.8	80.7	81.5	82.3	85.9	90.6	91.8	93.1	93.4	94.4	95.4
0-100	52.0	63.7	68.2	70.4	77.3	78.2	81.2	82.0	82.8	86.4	91.9	92.0	94.6	95.0	96.0	97.0
0-100	52.0	63.7	68.2	70.4	77.3	78.2	81.2	82.2	82.0	86.5	92.8	92.9	95.6	96.0	97.4	99.0
0-100	52.0	63.7	68.2	70.4	77.3	78.2	81.2	82.3	83.0	86.7	92.9	93.0	95.8	96.1	97.6	99.4
0-100	52.0	63.7	68.2	70.4	77.3	79.2	81.2	82.3	83.0	86.7	92.9	93.0	96.1	96.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

770120 CAPE ROMANZOF AFS AK

73-81

MAP  
MONTC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3300-75.0

		VISIBILITY - STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	35.3	39.9	42.0	42.2	44.2	44.2	45.3	45.3	46.6	47.4	48.5	48.8	49.3	49.4	49.8	50.5
900	FEET	35.5	40.2	42.2	42.4	44.7	44.7	45.8	45.3	46.7	47.8	49.0	49.3	49.8	49.9	50.2	51.0
800	FEET	36.3	41.1	43.2	43.4	45.7	45.7	46.8	46.8	47.7	48.8	50.0	50.2	50.7	50.8	51.2	52.0
700	FEET	36.3	41.1	43.2	43.4	45.7	45.7	46.8	46.8	47.0	48.8	50.0	50.2	50.7	50.8	51.2	52.0
600	FEET	36.3	41.1	43.2	43.4	45.7	45.7	46.8	46.8	47.0	48.8	50.0	50.2	50.7	50.8	51.2	52.0
500	FEET	36.5	41.2	43.3	43.5	45.8	45.8	46.9	46.9	47.1	48.9	50.1	50.4	50.8	51.0	51.3	52.2
400	FEET	37.4	42.2	44.2	44.5	46.8	46.8	47.8	47.8	48.1	49.9	51.1	51.3	51.8	51.9	52.2	53.1
300	FEET	37.5	42.3	44.4	44.6	46.9	46.9	48.0	48.0	48.2	50.0	51.2	51.4	51.9	52.0	52.4	53.2
200	FEET	38.5	43.3	45.3	45.6	48.1	48.1	49.2	49.2	49.4	51.3	52.5	52.6	53.2	53.4	53.7	54.6
100	FEET	40.0	45.1	47.1	47.4	49.9	49.9	51.0	51.0	51.2	53.1	54.3	54.6	55.0	55.2	55.5	56.4
0	FEET	40.8	46.3	48.3	48.9	51.4	51.4	52.5	52.5	52.8	54.7	55.9	56.1	56.6	56.7	57.1	57.9
0	FEET	42.4	48.1	50.1	50.7	53.2	53.2	54.3	54.3	54.6	56.5	57.7	57.9	58.4	58.5	58.9	59.7
0	FEET	43.2	48.9	51.3	51.9	54.4	54.4	55.5	55.5	55.8	57.7	58.9	59.1	59.6	59.7	60.1	60.9
0	FEET	44.2	50.6	53.1	54.3	57.3	57.3	58.4	58.4	58.6	60.6	61.9	62.1	62.6	62.7	63.1	63.9
0	FEET	45.7	52.3	54.9	56.1	59.1	59.1	60.3	60.3	60.6	62.5	63.8	64.0	64.5	64.6	65.0	65.8
0	FEET	46.0	52.9	55.5	56.6	60.0	60.0	61.2	61.2	61.4	63.4	64.7	65.1	65.6	65.7	66.1	66.9
0	FEET	47.0	54.3	57.0	58.3	61.5	61.6	62.8	62.8	63.1	65.1	66.7	67.0	67.9	68.0	68.3	69.2
0	FEET	48.2	56.1	58.8	60.2	63.5	63.7	65.2	65.2	65.6	67.7	69.8	70.1	71.0	71.1	71.5	72.3
0	FEET	48.8	56.8	59.6	61.2	64.7	64.9	66.4	66.4	66.8	69.1	71.1	71.5	72.3	72.4	72.8	73.6
0	FEET	50.1	58.3	61.0	62.7	67.0	67.1	68.7	68.7	69.1	71.3	73.5	73.9	74.7	74.8	75.2	76.0
0	FEET	50.5	59.4	62.2	64.3	69.8	69.9	71.5	71.6	71.9	74.2	76.4	76.7	77.9	78.1	78.4	79.3
0	FEET	50.7	59.6	62.5	64.6	71.3	71.5	73.1	73.1	73.5	76.1	78.3	78.7	80.1	80.2	80.6	81.4
0	FEET	50.8	60.1	63.2	65.3	72.4	72.5	74.2	74.5	74.8	77.5	79.9	80.3	81.9	82.0	82.4	83.3
0	FEET	51.2	61.0	64.1	66.3	73.7	73.9	76.0	76.6	77.0	80.1	83.3	83.8	85.4	85.5	85.9	86.8
0	FEET	51.2	61.0	64.1	66.5	74.0	74.1	76.3	77.0	77.3	80.5	84.1	84.5	86.1	86.2	86.6	87.5
0	FEET	51.9	61.9	65.3	67.7	76.1	76.3	79.0	80.1	80.5	83.9	88.1	88.6	90.6	90.8	91.1	92.0
0	FEET	52.5	62.5	66.1	68.8	77.5	77.6	80.5	81.7	82.0	85.6	90.3	90.8	93.2	93.3	94.1	95.7
0	FEET	52.8	62.9	66.5	69.3	77.9	78.2	81.1	82.5	82.9	86.7	91.6	92.1	94.7	95.1	96.0	97.6
0	FEET	52.8	62.9	66.5	69.3	77.9	78.2	81.2	82.6	83.0	86.8	92.6	93.0	95.9	96.4	97.4	99.3
0	FEET	52.8	62.9	66.5	69.3	77.9	78.2	81.2	82.6	83.0	86.8	92.7	93.2	96.2	96.6	97.6	99.6
0	FEET	52.8	62.9	66.5	69.3	77.9	78.2	81.2	82.6	83.0	86.8	92.7	93.2	96.2	96.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

634

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

730120 CAPE ROMANZOF AFS AK

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

633-2630

		VISIBILITY STATE MILES															
		1/2	3/4	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3	3 1/4	3 1/2	4	4 1/4	4 1/2	5	6
1000	FEET	31.7	34.8	35.7	36.1	38.4	38.4	39.3	39.7	39.8	40.8	41.7	41.8	42.7	42.7	43.2	43.2
900	FEET	32.6	35.9	36.8	37.2	39.4	39.4	40.4	40.8	40.9	41.8	42.8	42.9	43.8	43.8	44.2	44.2
800	FEET	34.2	37.6	38.6	39.0	41.2	41.2	42.2	42.8	42.9	43.9	45.0	45.1	45.9	45.9	46.4	46.4
700	FEET	34.2	37.6	38.6	39.0	41.2	41.2	42.2	42.8	42.7	43.9	45.0	45.1	45.9	45.9	46.4	46.5
600	FEET	34.3	37.8	38.7	39.1	41.4	41.4	42.3	42.9	43.7	44.7	45.1	45.2	46.0	46.0	46.5	46.6
500	FEET	34.7	38.1	39.1	39.4	41.7	41.7	42.7	43.3	43.4	44.4	45.4	45.6	46.4	46.4	46.9	47.0
400	FEET	34.9	38.4	39.3	39.7	42.0	42.0	42.9	43.5	43.6	44.6	45.7	45.8	46.6	46.6	47.1	47.2
300	FEET	35.0	38.5	39.4	39.8	42.2	42.2	43.2	43.8	43.9	44.8	45.9	46.0	46.9	46.9	47.4	47.5
200	FEET	36.3	39.8	40.9	41.2	43.8	43.8	44.7	45.3	45.4	46.5	47.6	47.7	48.6	48.6	49.0	49.2
100	FEET	37.6	41.6	42.7	43.0	45.6	45.6	46.5	47.1	47.2	48.4	49.5	49.6	50.5	50.5	51.0	51.1
0	FEET	38.2	42.2	43.3	43.6	46.2	46.2	47.1	47.7	47.8	49.0	50.2	50.4	51.2	51.2	51.7	51.9
0	FEET	39.8	43.8	44.8	45.2	47.7	47.7	48.8	49.4	49.5	50.7	51.7	52.0	52.9	52.9	53.4	53.5
0	FEET	40.2	44.4	45.5	45.9	48.4	48.4	49.5	50.1	50.2	51.4	52.6	52.8	53.6	53.6	54.1	54.2
0	FEET	43.3	47.5	48.7	49.0	51.6	51.6	52.6	53.2	53.4	54.8	56.0	56.1	57.0	57.0	57.4	57.6
0	FEET	44.5	49.0	50.4	51.1	53.8	53.8	54.9	55.6	55.8	57.2	58.6	58.8	59.6	59.6	60.3	60.6
0	FEET	45.7	50.6	51.9	53.1	55.9	55.9	57.0	57.7	57.8	59.4	60.9	61.2	61.9	61.9	62.6	62.8
0	FEET	46.9	51.8	53.1	54.4	57.4	57.4	58.8	59.5	59.6	61.2	62.9	63.1	64.0	64.0	64.7	65.0
0	FEET	48.2	53.7	55.0	56.4	59.7	59.7	61.2	61.9	62.7	63.7	65.8	65.9	67.0	67.0	67.7	68.0
0	FEET	48.2	53.7	55.0	56.5	60.0	60.0	61.4	62.1	62.2	63.9	66.1	66.2	67.3	67.3	68.0	68.2
0	FEET	48.9	55.5	57.0	58.6	62.4	62.4	63.9	64.4	64.7	66.4	68.6	68.7	69.8	69.8	70.5	70.7
0	FEET	49.6	57.3	59.2	61.2	65.2	65.5	67.1	67.9	68.7	69.9	72.2	72.3	73.5	73.5	74.2	74.6
0	FEET	50.0	58.0	60.2	62.2	66.9	67.1	69.2	70.4	70.1	72.3	75.1	75.2	76.5	76.5	77.5	77.8
0	FEET	50.1	58.5	60.8	62.8	67.5	67.7	69.9	70.7	70.9	73.3	76.4	76.5	77.8	77.8	78.8	79.1
0	FEET	50.6	59.5	61.9	63.9	68.6	68.8	71.2	72.1	72.2	74.7	78.2	78.5	80.0	80.0	80.2	81.3
0	FEET	50.8	59.7	62.1	64.1	68.9	69.3	71.9	72.8	72.9	75.4	79.3	79.6	81.1	81.1	82.0	82.5
0	FEET	51.1	60.0	62.5	64.6	69.7	70.1	73.0	74.5	74.8	77.3	82.7	83.3	85.2	85.0	86.2	87.2
0	FEET	51.8	61.5	64.0	66.3	71.5	71.9	75.2	77.1	77.5	80.2	86.2	86.9	88.9	88.8	90.0	91.2
0	FEET	51.9	62.0	64.5	66.8	71.9	72.4	75.8	78.1	78.4	81.8	89.2	89.9	92.6	92.6	94.0	95.3
0	FEET	52.0	62.1	64.7	67.0	72.4	72.9	76.4	78.7	79.0	82.7	90.8	91.5	94.2	94.2	95.7	97.4
0	FEET	52.0	62.1	64.7	67.0	72.4	73.0	77.0	79.3	79.6	83.3	91.4	92.1	95.0	95.0	96.4	98.4
0	FEET	52.0	62.1	64.7	67.0	72.4	73.0	77.0	79.3	79.6	83.3	91.4	92.1	95.1	95.1	97.0	99.3
0	FEET	52.0	62.1	64.7	67.0	72.4	73.0	77.0	79.3	79.6	83.3	91.4	92.1	95.1	95.1	97.0	99.3

TOTAL NUMBER OF OBSERVATIONS 634

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2120 CAPE ROMANZOF AFS AK

73-81

MAP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1907-1100

ELEVATION FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
21000	32.1	36.0	36.9	37.1	38.4	38.8	39.8	40.6	40.9	41.6	43.1	43.2	43.8	43.8	44.0	44.0
20000	32.5	36.6	37.5	37.6	39.0	39.4	40.4	41.2	41.5	42.2	43.6	43.8	44.4	44.4	44.6	44.6
19000	34.4	39.3	41.3	40.4	42.0	42.4	43.4	44.6	44.8	45.5	47.0	47.1	47.7	47.7	48.0	48.0
18000	34.7	39.6	41.5	40.6	42.2	42.7	43.6	44.8	45.1	45.8	47.2	47.4	48.0	48.0	48.2	48.2
17000	35.0	39.9	41.9	41.0	42.6	43.0	44.0	45.2	45.4	46.2	47.6	47.7	48.3	48.3	48.6	48.6
16000	35.4	40.3	41.2	41.4	42.9	43.4	44.4	45.6	45.8	46.5	48.0	48.1	48.7	48.7	48.9	48.9
15000	35.4	40.3	41.4	41.5	43.0	43.5	44.5	45.7	45.9	46.6	48.1	48.2	48.8	48.8	49.0	49.0
14000	35.6	40.5	41.6	41.7	43.3	43.8	44.7	45.9	46.2	46.9	48.3	48.4	49.0	49.0	49.3	49.3
13000	36.3	41.6	42.7	42.8	44.5	45.0	45.9	47.1	47.4	48.1	49.5	49.6	50.2	50.2	50.5	50.5
12000	38.2	44.1	45.3	45.8	47.6	48.1	49.2	50.4	50.6	51.3	52.8	52.9	53.5	53.5	53.7	53.7
11000	39.3	45.3	46.6	47.1	49.0	49.5	50.6	51.8	52.0	52.8	54.3	54.4	55.0	55.0	55.3	55.3
10000	39.7	45.7	47.0	47.5	49.4	49.9	51.0	52.2	52.4	53.1	54.7	54.8	55.4	55.4	55.6	55.6
9000	39.8	45.9	47.2	47.7	49.6	50.1	51.2	52.4	52.6	53.4	54.9	55.0	55.6	55.6	55.9	55.9
8000	42.4	49.0	50.5	51.0	52.9	53.4	54.4	55.6	55.9	57.1	58.6	58.8	59.4	59.4	59.6	59.6
7000	44.4	51.2	52.6	53.6	55.6	56.1	57.2	58.4	58.6	59.8	61.3	61.9	62.5	62.5	62.7	63.1
6000	45.3	52.2	53.6	54.6	56.6	57.1	58.2	59.4	59.6	60.9	62.7	62.8	63.4	63.4	63.7	64.0
5000	47.0	53.8	55.4	56.5	58.8	59.2	60.3	61.5	61.9	63.2	65.1	65.2	65.8	65.8	66.1	66.4
4000	48.4	55.6	57.3	58.4	60.8	61.3	62.6	63.8	64.1	65.5	67.5	67.6	68.3	68.3	68.7	69.1
3000	49.4	55.6	57.3	58.6	61.0	61.5	62.8	64.0	64.4	65.7	67.9	68.0	68.7	68.7	69.1	69.4
2000	49.8	57.6	59.4	60.9	63.5	64.1	65.6	66.8	67.1	68.7	70.9	71.0	71.7	71.7	72.2	72.5
1000	50.5	58.9	60.8	62.8	65.8	66.5	68.1	69.7	70.1	71.7	74.1	74.2	75.2	75.2	75.7	76.0
0000	50.8	59.6	61.9	63.9	67.3	68.3	69.9	71.6	72.1	74.2	76.7	76.9	77.8	77.8	78.5	78.9
9000	51.4	60.4	62.7	64.7	68.5	69.5	71.1	72.9	73.4	75.5	78.3	78.4	79.4	79.4	80.1	80.5
8000	51.9	61.2	63.4	65.6	69.3	70.4	71.9	73.7	74.2	76.6	79.5	79.6	80.7	80.7	81.4	81.8
7000	52.3	61.6	63.9	66.1	69.8	70.9	72.5	74.7	75.3	77.8	81.5	81.7	82.9	82.9	83.6	83.9
6000	52.6	62.6	65.1	67.3	71.1	72.3	74.0	76.3	77.3	80.1	85.1	85.5	86.9	86.9	87.6	88.4
5000	52.8	62.9	65.7	67.9	71.7	72.9	74.8	77.3	78.4	81.5	87.4	87.8	89.6	89.6	90.5	91.6
4000	52.9	63.2	66.1	68.2	72.4	73.6	75.5	78.1	79.3	82.7	89.1	89.4	91.4	91.4	92.3	93.6
3000	53.0	63.5	66.4	68.7	73.0	74.2	76.1	78.8	80.0	83.7	90.2	90.5	92.4	92.4	93.6	95.6
2000	53.1	63.9	66.8	69.1	73.5	74.7	76.6	79.3	80.5	84.4	91.0	91.4	93.6	93.6	94.8	97.0
1000	53.4	64.1	67.1	69.3	73.7	74.9	77.0	79.6	80.8	84.8	91.6	92.0	94.6	94.7	95.9	98.6
0000	53.4	64.1	67.0	69.3	73.7	74.9	77.0	79.6	80.8	84.8	91.7	92.1	94.8	95.0	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 634

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-2120

CAPE ROMANZOF AFS AK

73-01

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1222-1422

		VISIBILITY, STATUTE MILES															
		20	26	21	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	31.8	35.2	36.2	37.0	38.3	38.7	38.9	40.5	40.6	41.2	43.0	43.0	43.4	43.4	43.5	43.6
900	FEET	32.8	36.6	37.9	38.7	40.1	40.5	40.7	42.3	42.4	43.0	44.8	44.8	45.2	45.2	45.5	45.5
800	FEET	34.3	38.4	39.9	40.5	41.9	42.3	42.5	44.1	44.2	44.8	46.7	46.7	47.0	47.0	47.3	47.3
700	FEET	34.9	39.0	40.4	41.1	42.5	42.9	43.2	44.7	44.8	45.5	47.3	47.3	47.6	47.6	47.9	47.9
600	FEET	35.0	39.3	40.8	41.6	43.2	43.5	43.8	45.3	45.5	46.1	47.9	47.9	48.2	48.2	48.5	48.5
500	FEET	35.4	39.6	41.2	41.9	43.5	43.9	44.1	45.7	45.8	46.4	48.2	48.2	48.6	48.6	48.8	48.8
400	FEET	35.5	40.8	42.4	43.2	44.7	45.1	45.3	46.9	47.0	47.6	49.5	49.5	49.8	49.8	50.1	50.1
300	FEET	36.6	41.0	42.5	43.3	44.8	45.2	45.5	47.0	47.2	47.8	49.6	49.6	49.9	49.9	50.2	50.2
200	FEET	37.7	42.1	43.5	44.5	46.3	46.7	46.9	48.5	48.6	49.2	51.0	51.0	51.4	51.4	51.6	51.6
100	FEET	39.0	43.8	45.7	46.4	48.4	48.7	49.2	50.8	50.9	51.3	53.1	53.1	53.7	53.7	53.9	53.9
50	FEET	40.0	44.7	46.7	47.4	49.5	49.8	50.1	51.6	51.8	52.4	54.2	54.2	54.8	54.8	55.1	55.1
25	FEET	40.5	45.2	47.2	47.9	49.9	50.3	50.7	52.4	52.5	53.1	54.9	54.9	55.5	55.5	55.8	55.8
10	FEET	40.8	45.7	47.6	48.4	50.4	50.8	51.2	52.8	53.0	53.6	55.4	55.4	56.0	56.0	56.2	56.2
5	FEET	42.7	47.9	49.8	50.5	52.7	53.1	53.5	55.2	55.3	55.9	57.7	57.7	58.3	58.3	58.5	58.5
2	FEET	44.1	49.3	51.3	52.1	54.3	54.7	55.2	57.0	57.1	57.8	59.6	59.6	60.4	60.4	60.7	60.7
1	FEET	45.7	51.4	53.6	54.7	57.1	57.5	57.9	59.8	59.9	60.7	62.5	62.5	63.3	63.3	63.6	63.6
0.5	FEET	47.4	53.5	55.8	57.0	59.6	60.0	60.7	62.7	62.8	63.6	65.5	65.5	66.2	66.2	66.5	66.5
0.25	FEET	48.2	54.7	57.0	58.4	61.7	62.1	62.9	65.0	65.1	65.9	68.1	68.1	68.8	68.8	69.2	69.2
0.1	FEET	48.2	54.7	57.0	58.4	61.7	62.1	62.9	65.0	65.1	65.9	68.1	68.1	68.8	68.8	69.2	69.2
0.05	FEET	49.6	56.5	58.9	60.4	64.2	64.6	65.9	68.0	68.2	69.2	71.4	71.4	72.4	72.4	73.2	73.2
0.025	FEET	50.1	57.2	59.9	61.3	65.9	66.3	67.9	70.1	70.3	71.3	74.3	74.3	75.3	75.3	75.9	75.9
0.01	FEET	50.3	57.8	60.6	62.2	67.3	67.6	69.2	71.5	71.8	72.8	76.2	76.2	77.2	77.2	77.9	77.9
0.005	FEET	50.8	59.0	61.9	63.5	68.8	69.3	70.9	73.3	73.6	74.8	78.2	78.2	79.2	79.2	79.8	79.8
0.0025	FEET	51.0	59.4	62.3	63.9	69.2	69.7	71.3	73.7	73.9	75.4	78.9	78.9	79.9	79.9	80.5	80.5
0.001	FEET	51.4	60.4	63.3	65.0	70.5	71.2	73.2	75.8	76.0	77.9	81.7	81.7	82.8	82.8	83.6	83.6
0.0005	FEET	51.8	61.1	64.1	66.1	71.9	72.6	74.8	77.5	77.9	80.6	85.3	85.3	86.5	86.5	87.5	87.5
0.00025	FEET	52.2	61.7	64.8	66.8	72.7	73.5	75.6	78.7	79.2	81.9	87.6	87.6	89.2	89.2	90.7	90.7
0.0001	FEET	52.2	62.3	65.5	67.4	73.5	74.2	76.5	79.6	80.1	83.0	89.3	89.3	90.9	90.9	92.5	92.5
0.00005	FEET	52.2	62.5	65.7	67.6	73.7	74.4	76.8	80.0	80.5	83.4	89.8	89.8	91.6	91.6	93.2	93.2
0.000025	FEET	52.4	62.8	66.1	68.0	74.2	74.9	77.3	80.7	81.3	84.4	91.3	91.3	93.5	93.5	95.3	95.3
0.00001	FEET	52.4	62.8	66.1	68.0	74.2	74.9	77.3	80.7	81.7	84.7	92.0	92.0	94.5	94.5	96.5	96.5
0.000005	FEET	52.4	62.8	66.1	68.0	74.2	74.9	77.3	80.7	81.7	84.7	92.1	92.1	94.9	94.9	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS

325

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

750120

CAPE ROMANZOF AFS AK

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

		VISIBILITY IN STATUTE MILES															
		200	20	10	5	2.5	1.5	1	.75	.5	.25	.15	.1	.075	.05	.025	.01
1000	FEET	27.2	32.5	34.3	34.8	36.0	36.4	37.2	37.3	37.6	38.1	38.6	38.9	39.1	39.1	39.1	39.3
900		30.8	34.3	36.4	36.9	38.4	38.7	39.7	39.8	40.1	40.5	41.4	41.6	41.8	41.8	41.9	42.1
800		32.3	36.4	38.5	39.1	40.6	41.0	41.9	42.0	42.3	43.2	43.8	44.1	44.2	44.2	44.4	44.6
700		32.6	36.6	38.7	39.4	40.8	41.2	42.1	42.3	42.5	43.5	44.1	44.4	44.5	44.5	44.6	45.2
600		32.6	36.6	38.7	39.4	40.8	41.2	42.1	42.3	42.5	43.5	44.1	44.4	44.5	44.5	44.6	45.2
500		33.2	37.3	39.4	40.1	41.5	41.9	42.8	42.9	43.2	44.1	44.7	45.2	45.3	45.3	45.4	45.9
400		34.3	38.5	40.6	41.2	42.7	43.1	44.0	44.1	44.4	45.3	46.1	46.3	46.5	46.5	46.6	47.1
300		34.8	39.0	41.1	41.8	43.3	43.7	44.8	44.9	45.2	46.1	46.9	47.1	47.3	47.3	47.4	47.7
200		35.3	40.4	42.7	43.3	44.9	45.3	46.5	46.6	46.9	47.8	48.6	48.8	49.1	49.1	49.1	49.6
100		37.8	42.4	44.8	45.4	47.1	47.5	48.7	48.8	49.1	50.0	51.0	51.3	51.4	51.4	51.6	52.1
50		39.1	43.7	46.3	47.0	48.8	49.2	50.4	50.5	50.8	51.7	52.7	53.0	53.1	53.1	53.3	53.9
20		39.8	44.5	47.1	47.8	49.9	50.3	51.4	51.6	51.8	52.7	53.8	54.1	54.2	54.2	54.3	54.9
10		40.4	45.2	47.8	48.4	50.5	50.9	52.1	52.2	52.5	53.4	54.5	54.7	54.8	54.8	55.0	55.6
5		42.4	47.5	50.1	50.6	53.1	53.5	55.0	55.1	55.4	56.4	57.5	57.7	57.9	57.9	58.0	58.6
2.5		44.5	50.3	52.9	53.5	56.2	56.5	58.7	58.1	58.4	59.4	60.6	60.9	61.0	61.0	61.1	61.6
1.5		45.5	53.0	55.9	56.5	59.3	59.7	61.3	61.5	61.8	63.0	64.3	64.7	64.8	64.8	64.9	65.6
1		47.8	54.3	57.5	58.1	60.9	61.3	62.8	63.2	63.5	64.9	66.4	66.8	67.0	67.0	67.1	67.8
.75		48.6	55.2	58.5	59.4	62.7	63.1	64.7	65.1	65.3	67.0	68.5	68.8	69.1	69.1	69.4	70.0
.5		48.7	55.5	58.8	59.7	63.0	63.4	64.9	65.3	65.6	67.3	68.7	69.1	69.5	69.5	69.9	70.4
.25		48.7	56.4	59.3	60.9	64.1	64.5	66.1	66.5	67.1	68.6	70.3	70.7	71.3	71.3	71.6	72.4
.15		48.8	57.1	60.9	62.3	66.1	66.5	68.3	69.1	70.0	72.0	73.7	74.1	75.1	75.3	75.7	76.4
.1		49.5	58.1	62.0	64.3	68.2	68.7	70.7	71.5	72.6	74.7	76.7	77.2	78.5	78.7	79.1	79.5
.075		49.7	58.8	62.7	65.1	69.1	69.6	71.6	72.4	73.5	75.9	77.9	78.4	79.7	79.8	80.0	81.0
.05		49.7	59.3	63.2	65.6	69.9	70.4	72.5	73.3	74.5	76.7	78.6	79.3	80.6	80.6	81.2	81.9
.025		50.4	58.3	64.3	66.8	71.3	72.0	74.1	75.3	76.4	78.7	81.0	81.5	83.2	83.4	83.9	84.5
.01		50.9	61.1	65.1	67.7	72.4	73.4	75.5	76.6	78.4	81.0	83.6	84.2	85.9	86.0	86.4	87.2
		51.0	61.4	65.3	67.9	72.2	73.5	75.9	77.2	78.9	81.7	84.7	85.2	87.3	87.4	88.1	89.1
		51.3	62.0	66.0	68.7	74.0	74.6	76.7	78.1	79.9	82.9	86.5	87.3	89.5	89.7	90.4	91.0
		51.3	62.4	66.5	69.2	74.5	75.1	77.2	78.8	80.5	83.5	88.0	88.7	91.0	91.1	92.0	93.0
		51.3	62.4	66.5	69.2	74.5	75.1	77.2	79.3	81.0	84.2	89.4	90.2	92.4	92.5	93.8	96.2
		51.3	62.4	66.5	69.2	74.6	75.3	77.4	79.5	81.2	84.3	89.7	90.4	92.9	93.2	94.5	97.4
		51.3	62.4	66.5	69.2	74.6	75.3	77.4	79.5	81.2	84.3	89.7	90.4	92.9	93.2	94.5	97.4

TOTAL NUMBER OF OBSERVATIONS 754

GLOBAL CLIMATOLOGY BRANCH  
JMWETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-120 CAPE ROMANZOF AFS AK

73, 75-P

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1122-1122

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
100	25.6	27.5	31.7	32.2	33.1	33.0	33.8	34.1	34.0	34.7	35.7	35.3	35.2	35.7	35.7	35.1
200	27.8	31.6	33.6	34.5	35.6	36.2	36.9	37.1	37.1	37.1	38.4	38.4	38.3	37.3	37.7	32.6
300	27.8	34.5	36.7	37.6	38.7	39.3	40.5	40.2	40.4	40.4	41.9	41.8	42.7	42.7	42.7	43.6
400	30.4	35.1	37.3	38.2	39.3	39.6	40.5	40.7	40.9	40.9	42.4	42.4	43.3	43.3	42.7	44.1
500	31.9	35.6	37.8	38.7	39.8	40.4	41.1	41.3	41.5	41.5	42.7	42.7	43.3	43.3	43.6	44.7
600	31.1	35.1	38.2	39.1	40.4	40.9	41.6	41.9	42.2	42.3	43.6	43.6	44.7	44.7	44.7	45.6
700	31.5	36.7	39.1	40.0	41.3	41.6	42.5	42.7	42.9	42.9	44.5	44.5	45.6	45.6	45.6	46.2
800	32.2	37.8	40.4	41.5	42.7	43.3	44.1	44.2	44.4	44.4	46.0	46.0	47.1	47.1	47.1	47.8
900	36.4	42.2	44.7	45.6	47.5	48.0	48.7	49.1	49.3	49.3	50.5	50.5	52.2	52.2	52.2	52.6
1000	37.8	43.5	46.2	47.3	48.9	49.5	50.2	50.5	50.7	50.7	52.4	52.4	53.5	53.5	53.5	54.4
1100	38.4	44.2	46.9	48.0	49.8	50.4	51.1	51.5	51.5	51.5	53.3	53.3	54.4	54.4	54.4	55.3
1200	39.9	44.7	47.5	48.5	50.4	50.9	51.6	52.1	52.2	52.2	53.9	53.9	54.9	54.9	54.9	55.8
1300	41.3	46.0	49.1	50.4	52.2	52.9	53.6	54.1	54.2	54.2	56.0	56.0	57.1	57.1	57.1	58.0
1400	42.2	49.5	51.5	53.6	55.6	56.4	57.1	57.5	57.6	57.6	59.5	59.5	60.5	60.5	60.5	61.3
1500	45.1	52.7	55.4	57.1	58.9	59.6	60.4	60.9	61.1	61.1	62.9	62.9	64.7	64.7	64.7	65.5
1600	47.2	53.3	56.5	58.2	60.0	60.7	61.5	62.1	62.7	62.7	64.7	64.7	66.6	66.6	66.6	67.4
1700	48.0	56.2	59.5	60.7	62.5	63.3	64.1	64.5	64.7	64.7	66.5	66.5	68.2	68.2	68.2	69.1
1800	48.5	56.2	59.5	60.7	62.5	63.3	64.0	64.5	64.7	64.7	66.5	66.5	68.2	68.2	68.2	69.1
1900	48.5	56.2	59.5	61.1	63.1	63.6	64.5	65.1	65.9	65.8	67.6	67.6	69.3	69.3	69.3	70.2
2000	48.4	57.3	60.7	62.2	64.4	65.1	66.9	67.5	68.4	68.4	70.2	70.2	71.3	71.3	71.3	72.7
2100	48.4	57.6	61.3	63.6	66.2	67.1	68.9	69.5	70.4	70.5	72.4	72.4	74.7	74.7	74.7	75.6
2200	48.4	57.9	61.5	63.6	66.4	67.3	69.1	69.6	70.5	70.7	72.7	73.3	75.1	75.1	75.1	76.7
2300	48.4	57.8	61.5	63.6	66.5	67.5	69.3	69.8	70.7	70.9	73.3	73.3	75.6	75.6	75.6	76.5
2400	48.9	58.5	62.2	64.7	67.6	68.5	70.4	70.9	71.8	72.0	74.4	74.4	76.7	76.7	76.7	77.7
2500	50.0	60.5	64.2	66.9	70.2	71.1	73.3	74.0	75.0	76.0	78.5	77.1	80.9	80.2	81.5	82.4
2600	51.0	60.7	64.5	67.5	70.7	71.8	74.4	75.6	76.9	77.1	80.7	81.3	84.4	84.4	85.6	86.1
2700	51.3	61.5	65.3	68.4	72.4	73.5	76.2	77.3	78.5	79.1	84.2	84.7	88.2	88.2	89.5	90.7
2800	51.0	61.5	65.3	68.4	72.7	74.4	76.9	78.4	79.6	80.2	85.5	86.0	89.5	89.5	91.5	92.6
2900	51.0	61.5	65.3	68.4	72.7	74.4	76.9	78.7	80.0	80.7	86.5	87.1	91.3	91.3	93.1	94.1
3000	51.3	61.5	65.3	68.4	72.7	74.4	76.9	78.7	80.0	80.7	86.5	87.1	91.3	91.3	93.1	94.1
3100	50.2	61.6	65.5	68.5	72.9	74.5	77.1	78.9	80.7	80.9	87.5	88.1	92.7	92.4	94.7	95.1

TOTAL NUMBER OF OBSERVATIONS

50

USAF ETAC 0-14-5 TOL AIR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-120 CAPE ROMANZOF AFS AK

74-31

W  
DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

100-74-31

WIND SPEED	VISIBILITY IN STATUTE MILES															
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	10+
0-10	33.1	36.9	38.7	39.0	41.4	40.7	41.7	41.7	42.7	43.5	46.5	46.3	47.3	47.3	47.5	46.1
10-20	33.2	37.9	39.3	39.9	41.4	41.7	42.7	42.8	43.1	44.8	47.5	47.3	48.2	48.2	48.5	49.1
20-30	34.5	38.8	40.3	40.9	42.3	41.7	43.5	43.3	44.1	45.5	48.7	48.9	49.4	49.4	49.7	50.2
30-40	35.7	39.0	40.4	41.1	42.5	42.8	43.8	43.9	44.7	45.7	49.7	49.7	49.9	49.9	49.9	50.1
40-50	35.6	39.6	41.1	41.7	43.1	43.3	44.4	44.0	44.7	46.3	49.7	49.7	50.1	50.1	50.1	51.4
50-60	35.5	39.8	41.2	42.0	43.5	43.8	44.7	44.9	45.2	46.6	50.7	50.7	50.5	50.7	50.4	51.7
60-70	35.2	39.9	41.4	42.2	43.6	43.7	44.9	45.3	45.4	46.8	50.2	50.2	50.5	50.5	51.7	51.9
70-80	35.7	42.1	43.6	44.4	46.7	46.3	47.4	47.6	47.5	49.4	52.7	52.7	53.7	53.7	53.5	54.5
80-90	39.5	43.5	45.7	45.6	47.6	47.9	49.7	49.2	49.5	51.3	54.7	54.3	54.9	54.9	55.1	55.1
90-100	40.3	44.7	46.3	47.3	49.0	49.4	50.5	50.3	51.7	52.4	55.7	55.8	56.2	56.2	56.5	57.7
100-110	41.9	46.5	48.1	49.2	51.1	51.4	52.6	52.7	53.7	54.5	57.8	57.8	58.3	58.3	58.6	59.9
110-120	42.5	47.3	49.7	50.3	52.7	53.7	54.2	54.3	54.6	56.1	59.4	59.4	59.9	59.9	59.2	61.1
120-130	44.4	49.2	51.7	52.9	55.3	55.0	56.7	57.7	57.7	58.8	62.1	62.1	62.6	62.6	62.7	63.9
130-140	45.3	51.3	53.5	55.1	56.7	58.3	59.4	59.7	60.1	61.0	65.7	65.7	65.5	65.5	65.9	66.4
140-150	47.6	53.0	55.3	56.9	59.9	60.2	61.3	61.7	62.0	63.4	66.7	66.7	67.4	67.4	67.7	68.7
150-160	49.6	54.0	56.2	57.8	60.9	61.2	62.3	62.8	63.2	64.4	67.8	67.8	68.4	68.4	68.7	69.9
160-170	51.1	56.9	59.1	60.7	64.1	64.4	65.5	65.8	66.1	67.6	71.1	71.1	71.7	71.7	72.7	73.9
170-180	51.3	57.2	59.4	61.1	64.4	64.7	65.8	66.1	66.5	67.9	71.4	71.4	72.0	72.0	72.4	73.3
180-190	51.9	57.8	60.1	61.7	65.3	65.7	66.8	67.1	67.5	69.3	72.8	72.8	73.5	73.5	73.9	74.9
190-200	53.7	59.5	61.8	63.4	67.1	67.4	69.2	69.8	70.4	71.9	75.4	75.4	76.4	76.4	77.5	78.9
200-210	57.3	59.9	62.1	63.7	67.9	68.2	70.0	70.4	71.2	72.7	77.3	77.3	78.3	78.3	79.8	80.7
210-220	58.4	61.2	62.5	64.2	69.4	69.7	71.4	71.9	72.7	73.2	78.7	78.7	79.2	79.2	79.7	80.7
220-230	58.5	60.4	63.4	65.0	69.3	69.6	71.4	72.0	72.8	74.4	79.2	79.2	80.5	80.5	81.7	82.3
230-240	58.5	60.5	63.7	65.3	69.6	70.0	71.7	72.7	73.5	75.1	80.7	80.7	81.4	81.4	82.5	83.9
240-250	54.2	61.3	64.9	66.5	71.1	71.4	74.1	75.6	76.4	78.0	82.9	83.4	85.5	85.5	86.4	87.7
250-260	54.6	61.5	65.3	66.9	71.6	71.9	74.5	76.0	76.4	78.4	84.3	84.8	87.1	87.2	88.2	89.5
260-270	55.3	62.6	66.1	67.7	72.5	72.6	75.6	77.3	78.1	79.9	87.1	87.5	89.2	89.2	91.5	93.3
270-280	55.3	62.5	66.1	67.7	72.5	72.8	75.6	77.3	78.1	79.9	87.7	88.2	89.9	89.9	92.7	95.0
280-290	55.3	62.8	66.5	68.1	72.8	73.2	75.9	78.1	78.9	80.7	88.7	89.1	91.9	92.0	94.1	96.4
290-300	55.3	62.8	66.5	68.1	72.8	73.2	75.9	78.4	79.2	81.0	89.1	89.6	92.3	92.5	94.7	97.4
300-310	55.3	62.3	66.5	68.1	72.8	73.2	75.9	78.4	79.2	81.0	89.5	89.9	92.1	92.3	95.9	98.0

TOTAL NUMBER OF OBSERVATIONS 100

USAF ETAC 0-14-5 TOL A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 WAFB-240  
 AIR WEATHER SERVICE/AFB

# CEILING VERSUS VISIBILITY

73-1-1 WAFB-240 AFB-240

73-1-1

73-1-1

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

		VISIBILITY IN STATUTE MILES															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1-1/2	1-1/2	31.5	33.5	37.2	37.7	39.3	40.8	40.4	40.3	41.7	42.1	43.5	43.7	44.2	44.5	44.6	44.7
2-1/2	2-1/2	32.5	36.8	38.1	33.7	41.5	42.3	41.6	42.2	42.7	43.4	44.2	44.7	45.4	45.6	45.7	45.8
3-1/2	3-1/2	34.3	38.5	40.2	41.5	42.3	42.6	43.4	43.7	44.2	45.3	46.2	46.8	47.4	47.7	47.8	47.9
4-1/2	4-1/2	34.1	38.7	40.2	40.7	42.5	42.7	43.6	44.1	44.7	45.4	47.1	47.2	47.8	47.9	47.9	48.0
5-1/2	5-1/2	34.3	38.5	40.4	40.8	42.7	43.3	43.5	44.3	44.6	45.5	47.2	47.3	47.5	47.7	47.7	47.8
6-1/2	6-1/2	34.7	39.2	41.7	41.2	43.1	43.3	44.2	44.7	44.7	46.1	47.5	47.7	48.2	48.2	48.2	48.3
7-1/2	7-1/2	35.3	39.9	41.4	42.1	43.9	44.1	44.7	45.4	45.7	46.7	48.3	48.4	48.9	49.1	49.1	49.2
8-1/2	8-1/2	35.5	40.1	41.7	42.2	44.1	44.3	45.2	45.7	46.1	47.1	48.5	48.7	49.7	49.7	49.7	49.8
9-1/2	9-1/2	35.7	41.4	42.1	42.6	45.5	45.9	46.8	47.3	47.4	48.7	50.7	50.7	51.2	51.2	51.2	51.3
10-1/2	10-1/2	36.5	43.5	45.7	45.9	47.2	48.2	49.2	49.7	50.7	51.1	52.7	52.7	53.3	53.4	53.4	53.5
11-1/2	11-1/2	37.3	44.6	45.4	47.1	49.2	49.5	50.4	51.2	51.3	52.7	54.1	54.1	54.7	54.7	54.7	54.8
12-1/2	12-1/2	40.4	45.7	47.5	48.3	51.5	51.7	52.7	52.7	53.6	55.7	58.4	58.4	59.2	59.2	59.2	59.3
13-1/2	13-1/2	43.3	46.3	49.0	49.0	51.2	51.5	52.4	53.1	53.7	54.4	56.1	56.1	56.7	56.7	56.7	56.8
14-1/2	14-1/2	43.7	46.4	51.5	51.4	53.6	54.1	55.1	55.7	56.9	57.2	58.5	58.5	59.1	59.1	59.1	59.2
15-1/2	15-1/2	44.4	51.5	52.7	53.7	55.3	55.3	57.6	58.2	58.7	59.7	61.1	61.1	61.7	61.7	61.7	61.8
16-1/2	16-1/2	45.1	52.3	54.5	55.7	58.4	58.7	59.7	60.4	61.1	62.1	63.1	64.1	64.5	64.5	64.5	64.6
17-1/2	17-1/2	47.1	53.7	56.7	57.3	60.0	60.4	61.5	62.2	62.4	63.1	65.1	65.7	66.6	66.7	66.7	66.8
18-1/2	18-1/2	48.4	55.5	57.9	59.3	62.3	62.1	63.2	64.2	64.3	65.2	66.4	66.4	67.3	67.3	67.3	67.4
19-1/2	19-1/2	49.8	58.8	59.0	60.0	62.7	63.1	64.3	65.0	65.7	66.7	68.9	69.1	69.7	69.7	69.7	69.8
20-1/2	20-1/2	49.5	57.1	59.5	61.1	64.6	65.1	66.3	67.1	67.7	69.1	71.1	71.1	72.2	72.2	72.2	72.3
21-1/2	21-1/2	50.1	58.3	61.1	62.3	66.3	67.3	69.7	69.7	71.7	71.7	74.4	74.4	75.6	75.7	75.7	75.8
22-1/2	22-1/2	50.4	58.9	61.1	63.8	68.4	68.9	72.5	71.5	72.7	73.1	76.5	76.5	77.1	77.1	77.1	77.2
23-1/2	23-1/2	51.7	59.5	62.4	64.5	69.3	69.1	71.1	72.5	71.7	73.1	77.1	77.1	78.5	78.5	78.5	78.6
24-1/2	24-1/2	51.7	60.1	63.3	65.3	71.2	71.7	72.6	73.7	74.7	75.1	79.1	79.1	80.9	81.2	81.2	81.3
25-1/2	25-1/2	51.2	60.5	63.3	65.7	71.2	71.5	73.5	74.7	75.7	77.5	81.1	81.1	82.7	82.7	82.7	82.8
26-1/2	26-1/2	51.7	61.5	64.5	66.2	72.4	73.1	75.5	77.1	77.2	81.4	84.7	84.7	86.3	86.3	86.3	86.4
27-1/2	27-1/2	52.1	62.1	65.5	67.8	73.4	74.1	76.6	78.3	78.7	81.4	86.9	87.2	87.4	87.4	87.4	87.5
28-1/2	28-1/2	52.3	62.7	66.2	68.0	74.4	75.1	77.8	79.7	80.7	83.6	89.9	91.3	92.7	93.1	93.1	93.2
29-1/2	29-1/2	52.4	62.8	66.4	68.7	74.5	75.3	78.1	80.1	81.1	84.1	91.7	91.2	91.3	94.1	95.5	95.5
30-1/2	30-1/2	52.4	62.9	67.4	68.7	74.6	75.4	78.1	80.3	81.7	84.3	91.7	91.1	91.3	94.5	96.1	96.4
31-1/2	31-1/2	52.4	62.9	68.4	69.0	74.6	75.4	78.1	80.3	81.7	84.3	91.1	91.1	91.3	94.5	96.1	96.4

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

GLOBAL CLIMATE LOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1. CAFFE ROMAN OF APO AK

73-51

1973

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1973-1973

		VISIBILITY IN STATUTE MILES															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	39.5	40.4	41.3	42.2	43.1	44.0	44.9	45.8	46.7	47.6	48.5	49.4	50.3	51.2	52.1	53.0
2	2	41.5	42.4	43.3	44.2	45.1	46.0	46.9	47.8	48.7	49.6	50.5	51.4	52.3	53.2	54.1	55.0
3	3	43.5	44.4	45.3	46.2	47.1	48.0	48.9	49.8	50.7	51.6	52.5	53.4	54.3	55.2	56.1	57.0
4	4	45.5	46.4	47.3	48.2	49.1	50.0	50.9	51.8	52.7	53.6	54.5	55.4	56.3	57.2	58.1	59.0
5	5	47.5	48.4	49.3	50.2	51.1	52.0	52.9	53.8	54.7	55.6	56.5	57.4	58.3	59.2	60.1	61.0
6	6	49.5	50.4	51.3	52.2	53.1	54.0	54.9	55.8	56.7	57.6	58.5	59.4	60.3	61.2	62.1	63.0
7	7	51.5	52.4	53.3	54.2	55.1	56.0	56.9	57.8	58.7	59.6	60.5	61.4	62.3	63.2	64.1	65.0
8	8	53.5	54.4	55.3	56.2	57.1	58.0	58.9	59.8	60.7	61.6	62.5	63.4	64.3	65.2	66.1	67.0
9	9	55.5	56.4	57.3	58.2	59.1	60.0	60.9	61.8	62.7	63.6	64.5	65.4	66.3	67.2	68.1	69.0
10	10	57.5	58.4	59.3	60.2	61.1	62.0	62.9	63.8	64.7	65.6	66.5	67.4	68.3	69.2	70.1	71.0
11	11	59.5	60.4	61.3	62.2	63.1	64.0	64.9	65.8	66.7	67.6	68.5	69.4	70.3	71.2	72.1	73.0
12	12	61.5	62.4	63.3	64.2	65.1	66.0	66.9	67.8	68.7	69.6	70.5	71.4	72.3	73.2	74.1	75.0
13	13	63.5	64.4	65.3	66.2	67.1	68.0	68.9	69.8	70.7	71.6	72.5	73.4	74.3	75.2	76.1	77.0
14	14	65.5	66.4	67.3	68.2	69.1	70.0	70.9	71.8	72.7	73.6	74.5	75.4	76.3	77.2	78.1	79.0
15	15	67.5	68.4	69.3	70.2	71.1	72.0	72.9	73.8	74.7	75.6	76.5	77.4	78.3	79.2	80.1	81.0
16	16	69.5	70.4	71.3	72.2	73.1	74.0	74.9	75.8	76.7	77.6	78.5	79.4	80.3	81.2	82.1	83.0
17	17	71.5	72.4	73.3	74.2	75.1	76.0	76.9	77.8	78.7	79.6	80.5	81.4	82.3	83.2	84.1	85.0
18	18	73.5	74.4	75.3	76.2	77.1	78.0	78.9	79.8	80.7	81.6	82.5	83.4	84.3	85.2	86.1	87.0
19	19	75.5	76.4	77.3	78.2	79.1	80.0	80.9	81.8	82.7	83.6	84.5	85.4	86.3	87.2	88.1	89.0
20	20	77.5	78.4	79.3	80.2	81.1	82.0	82.9	83.8	84.7	85.6	86.5	87.4	88.3	89.2	90.1	91.0
21	21	79.5	80.4	81.3	82.2	83.1	84.0	84.9	85.8	86.7	87.6	88.5	89.4	90.3	91.2	92.1	93.0
22	22	81.5	82.4	83.3	84.2	85.1	86.0	86.9	87.8	88.7	89.6	90.5	91.4	92.3	93.2	94.1	95.0
23	23	83.5	84.4	85.3	86.2	87.1	88.0	88.9	89.8	90.7	91.6	92.5	93.4	94.3	95.2	96.1	97.0
24	24	85.5	86.4	87.3	88.2	89.1	90.0	90.9	91.8	92.7	93.6	94.5	95.4	96.3	97.2	98.1	99.0
25	25	87.5	88.4	89.3	90.2	91.1	92.0	92.9	93.8	94.7	95.6	96.5	97.4	98.3	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 770

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 127 CAFE ROMANOF AFS AK

73-61

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

730522Z

VISIBILITY IN MILES		CEILING FEET															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1	31.7	35.1	35.9	36.0	37.0	37.0	37.5	37.9	37.9	38.1	38.4	38.5	38.6	38.6	38.6	38.6	38.6
2	36.2	36.4	36.3	36.4	37.5	37.5	38.7	38.4	38.4	38.6	38.9	37.0	39.1	39.1	39.1	39.1	39.1
3	37.3	36.3	37.2	37.3	38.4	36.4	38.9	39.3	39.3	39.7	39.5	39.6	37.9	40.0	40.0	40.0	40.0
4	32.8	36.4	37.4	37.5	38.6	38.6	39.1	39.5	39.5	39.8	40.0	40.1	40.2	40.2	40.2	40.2	40.2
5	32.8	36.4	37.4	37.5	38.6	38.6	39.1	39.5	39.5	39.8	40.0	40.1	40.2	40.2	40.2	40.2	40.2
6	32.8	36.4	37.4	37.5	38.6	38.6	39.1	39.5	39.5	39.8	40.0	40.1	40.2	40.2	40.2	40.2	40.2
7	34.4	38.1	39.1	39.3	40.4	40.4	40.9	41.5	41.5	41.7	42.7	42.1	42.2	42.2	42.2	42.2	42.2
8	34.4	38.1	39.1	39.3	40.5	40.5	41.2	41.9	41.9	41.9	42.1	42.2	42.3	42.3	42.3	42.3	42.3
9	36.3	40.0	41.1	41.1	42.3	42.3	42.8	43.5	43.5	43.7	44.0	44.1	44.2	44.2	44.2	44.2	44.2
10	38.1	41.9	42.5	43.0	44.2	44.2	44.7	45.3	45.3	45.6	45.8	45.9	46.0	46.2	46.2	46.2	46.2
11	38.4	42.1	43.1	43.2	44.4	44.4	44.7	45.6	45.6	45.8	46.0	46.2	46.3	46.3	46.3	46.3	46.3
12	38.9	43.8	44.8	44.9	46.7	46.3	46.8	47.4	47.4	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1
13	40.7	44.7	45.7	46.0	47.4	47.4	47.9	48.5	48.5	48.8	49.0	49.1	49.3	49.3	49.3	49.3	49.3
14	42.1	46.5	47.9	48.2	49.5	49.5	50.2	51.0	51.0	51.2	51.1	51.2	51.4	51.4	51.4	51.4	51.4
15	45.1	47.5	51.5	51.7	53.2	53.2	53.7	54.3	54.3	54.6	54.8	54.9	55.0	55.1	55.1	55.1	55.1
16	46.3	50.7	53.2	53.5	54.9	54.9	55.4	56.0	56.0	56.3	56.5	56.7	56.8	56.8	56.8	56.8	56.8
17	46.7	51.8	54.1	54.3	55.8	55.8	56.3	56.9	56.9	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8
18	47.1	53.2	55.8	56.0	57.7	57.7	58.1	58.9	58.9	59.1	59.5	59.6	59.8	59.8	59.8	59.8	59.8
19	47.9	54.2	56.9	57.0	58.6	58.6	59.1	59.7	59.7	60.1	60.5	60.6	60.7	60.7	60.7	60.7	60.7
20	50.2	56.2	59.7	59.8	61.5	61.5	62.2	62.8	62.8	63.1	63.6	63.7	63.9	63.9	63.9	63.9	63.9
21	53.1	59.6	62.4	63.3	65.3	65.3	66.3	67.3	67.3	67.7	68.3	68.4	68.5	68.5	68.5	68.5	68.5
22	53.7	60.6	63.5	64.6	67.0	67.0	68.1	69.5	69.5	69.9	70.7	70.9	71.2	71.2	71.4	71.4	71.4
23	54.7	61.5	64.7	65.8	68.3	68.3	69.4	70.9	70.9	71.5	72.3	72.5	72.7	72.7	73.1	73.1	73.1
24	54.7	61.9	65.8	67.0	69.6	69.6	70.9	72.3	72.3	72.6	73.5	74.4	74.8	75.3	75.4	75.4	75.4
25	55.1	62.3	66.3	67.7	70.5	70.5	72.1	73.7	74.1	75.1	76.5	76.9	77.7	77.7	77.8	77.8	77.8
26	55.3	63.6	67.5	69.0	72.2	72.2	73.3	74.0	75.6	76.2	77.3	79.4	79.8	80.5	80.5	80.5	80.5
27	56.8	65.6	70.1	72.3	76.3	76.4	78.1	80.4	81.1	82.2	84.9	85.3	86.7	86.7	86.7	86.7	86.7
28	57.5	66.5	71.7	73.5	77.5	77.7	79.4	82.2	83.1	84.3	88.5	88.9	89.9	89.9	89.9	89.9	89.9
29	57.7	66.7	71.6	74.2	78.8	78.9	81.0	84.0	84.9	86.4	91.4	91.7	93.2	93.2	93.5	93.5	93.5
30	57.7	66.8	71.9	74.7	79.3	79.4	81.5	84.4	85.4	87.2	92.5	93.0	95.3	95.3	95.7	95.7	95.7
31	57.7	66.8	71.9	74.7	79.3	79.4	81.5	84.4	85.4	87.3	93.3	93.7	96.9	97.0	98.1	98.1	98.1
32	57.7	66.8	71.9	74.7	79.3	79.4	81.5	84.4	85.4	87.3	93.3	93.7	96.9	97.0	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 61

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

730120 CAPE ROMANZOF AFB AK

73-81

4-P

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

67-0002

CEILING FEET	VISIBILITY - STATUTE MILES															
	200	26	31	34	37	41	45	49	53	57	61	65	69	73	77	81
100	32.2	34.3	35.1	35.7	36.5	37.0	37.3	37.3	37.4	37.5	37.8	37.8	37.8	37.8	37.8	37.8
120	32.2	35.4	36.7	36.6	37.9	38.1	38.4	38.4	38.5	38.6	38.9	38.9	38.9	38.9	38.9	38.9
140	34.1	36.3	37.7	37.7	38.8	39.0	39.3	39.3	39.4	39.5	39.8	39.8	39.8	39.8	39.8	39.8
160	34.2	36.4	37.2	37.6	38.9	39.1	39.4	39.4	39.5	39.5	39.9	39.9	39.9	39.9	39.9	39.9
180	36.6	36.9	37.5	38.1	39.3	39.5	39.8	39.8	39.9	40.0	40.2	40.2	40.2	40.2	40.2	40.2
200	34.9	37.0	37.8	38.4	39.5	39.8	40.0	40.0	40.1	40.2	40.5	40.5	40.5	40.5	40.5	40.5
220	35.7	38.9	39.6	40.2	41.4	41.6	41.9	41.9	42.0	42.1	42.3	42.3	42.3	42.3	42.3	42.3
240	37.2	39.4	40.1	40.7	41.9	42.1	42.3	42.3	42.5	42.6	42.8	42.8	42.8	42.8	42.8	42.8
260	38.9	41.2	42.0	42.6	43.7	44.0	44.2	44.2	44.3	44.4	44.7	44.7	44.7	44.7	44.7	44.7
280	41.2	43.5	44.4	45.1	46.2	46.4	46.7	46.7	46.8	46.9	47.2	47.2	47.2	47.2	47.2	47.2
300	41.5	44.1	45.1	45.7	46.8	47.0	47.3	47.3	47.4	47.5	47.7	47.8	47.8	47.8	47.8	47.8
320	42.7	45.6	46.7	47.3	48.5	48.8	49.0	49.0	49.1	49.3	49.5	49.5	49.5	49.5	49.5	49.5
340	42.7	45.6	47.3	47.9	49.1	49.4	49.6	49.6	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1
360	44.6	48.0	49.9	50.6	52.1	52.5	52.7	52.7	53.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3
380	47.0	50.9	52.7	53.6	55.1	55.4	55.7	55.7	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3
400	46.0	52.1	54.7	54.6	56.5	56.9	57.2	57.2	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8
420	49.6	52.8	54.7	55.6	57.3	57.7	57.9	57.9	58.1	58.4	58.5	58.6	58.6	58.6	58.6	58.6
440	47.4	54.3	56.2	57.2	59.1	59.5	59.8	59.8	60.0	60.2	60.5	60.5	60.6	60.6	60.6	60.6
460	49.8	54.9	56.8	57.9	59.9	60.2	60.5	60.5	60.7	61.0	61.4	61.4	61.4	61.4	61.4	61.4
480	51.1	56.4	58.3	59.9	62.3	62.7	63.1	63.1	63.3	63.6	64.0	64.0	64.0	64.0	64.0	64.0
500	53.3	59.5	61.4	63.1	65.6	65.9	66.5	66.5	67.0	67.4	67.9	67.9	68.0	68.0	68.0	68.0
520	54.6	61.1	63.1	64.9	67.5	68.1	68.8	69.1	69.4	69.8	70.2	70.2	70.5	70.5	70.5	70.5
540	55.7	62.3	64.3	66.2	68.9	69.5	70.2	71.1	71.4	71.7	72.2	72.2	72.5	72.5	72.5	72.5
560	56.0	62.6	64.8	66.9	69.6	70.2	71.0	71.9	72.1	72.5	73.2	73.2	73.8	73.8	73.8	73.8
580	56.2	63.0	64.9	67.0	69.8	70.4	71.1	72.3	72.6	73.0	73.7	73.7	74.3	74.3	74.3	74.3
600	56.7	64.0	65.7	66.8	71.6	72.2	73.2	74.7	74.9	75.3	76.8	76.9	77.5	77.7	77.8	77.8
620	57.7	65.9	68.5	71.2	74.9	75.3	77.2	79.1	79.6	80.4	82.3	82.5	83.2	83.3	83.6	83.6
640	58.4	66.9	69.9	73.1	77.3	78.1	79.5	81.9	82.5	83.3	86.0	86.2	87.2	87.4	87.7	87.7
660	57.6	67.3	77.4	73.6	77.9	78.8	80.4	83.0	83.6	84.7	88.0	88.3	89.3	89.5	89.8	89.8
680	59.0	67.9	71.0	74.3	78.8	79.8	81.7	84.5	85.2	86.4	90.6	90.9	92.1	92.3	92.8	92.8
700	59.0	67.9	71.0	74.7	79.4	80.5	82.5	85.7	86.4	87.8	92.8	93.1	95.2	95.4	96.7	97.0
720	59.0	67.9	71.0	74.7	79.4	80.5	82.5	85.7	86.4	87.8	92.8	93.1	95.7	95.9	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC 0-14-510L A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

73-123

CAPE ROMAN OF AFS AK

73-81

APC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

937-1100

		VISIBILITY - STATUTE MILES															
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1000	32.3	35.7	36.7	37.0	38.4	38.5	38.6	39.1	39.7	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6
900	34.1	36.2	37.9	38.3	39.6	39.8	39.9	40.2	40.7	40.6	40.7	40.7	40.9	40.9	40.9	40.9	40.9
800	36.2	38.9	40.0	40.4	41.9	42.0	42.2	42.6	42.6	43.0	43.3	43.3	43.5	43.5	43.5	43.5	43.5
700	38.2	41.9	42.1	42.4	43.7	43.8	44.2	44.6	44.6	45.0	45.3	45.3	45.5	45.5	45.5	45.5	45.5
600	40.2	43.1	43.2	43.5	44.8	44.9	45.3	45.7	45.7	46.1	46.4	46.4	46.6	46.6	46.6	46.6	46.6
500	42.2	45.1	45.2	45.5	46.8	46.9	47.3	47.7	47.7	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.6
400	44.2	47.1	47.2	47.5	48.8	48.9	49.3	49.7	49.7	50.1	50.4	50.4	50.6	50.6	50.6	50.6	50.6
300	46.2	49.1	49.2	49.5	50.8	50.9	51.3	51.7	51.7	52.1	52.4	52.4	52.6	52.6	52.6	52.6	52.6
200	48.2	51.1	51.2	51.5	52.8	52.9	53.3	53.7	53.7	54.1	54.4	54.4	54.6	54.6	54.6	54.6	54.6
100	50.2	53.1	53.2	53.5	54.8	54.9	55.3	55.7	55.7	56.1	56.4	56.4	56.6	56.6	56.6	56.6	56.6
0	52.2	55.1	55.2	55.5	56.8	56.9	57.3	57.7	57.7	58.1	58.4	58.4	58.6	58.6	58.6	58.6	58.6
900	54.2	57.1	57.2	57.5	58.8	58.9	59.3	59.7	59.7	60.1	60.4	60.4	60.6	60.6	60.6	60.6	60.6
800	56.2	59.1	59.2	59.5	60.8	60.9	61.3	61.7	61.7	62.1	62.4	62.4	62.6	62.6	62.6	62.6	62.6
700	58.2	61.1	61.2	61.5	62.8	62.9	63.3	63.7	63.7	64.1	64.4	64.4	64.6	64.6	64.6	64.6	64.6
600	60.2	63.1	63.2	63.5	64.8	64.9	65.3	65.7	65.7	66.1	66.4	66.4	66.6	66.6	66.6	66.6	66.6
500	62.2	65.1	65.2	65.5	66.8	66.9	67.3	67.7	67.7	68.1	68.4	68.4	68.6	68.6	68.6	68.6	68.6
400	64.2	67.1	67.2	67.5	68.8	68.9	69.3	69.7	69.7	70.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6
300	66.2	69.1	69.2	69.5	70.8	70.9	71.3	71.7	71.7	72.1	72.4	72.4	72.6	72.6	72.6	72.6	72.6
200	68.2	71.1	71.2	71.5	72.8	72.9	73.3	73.7	73.7	74.1	74.4	74.4	74.6	74.6	74.6	74.6	74.6
100	70.2	73.1	73.2	73.5	74.8	74.9	75.3	75.7	75.7	76.1	76.4	76.4	76.6	76.6	76.6	76.6	76.6
0	72.2	75.1	75.2	75.5	76.8	76.9	77.3	77.7	77.7	78.1	78.4	78.4	78.6	78.6	78.6	78.6	78.6
900	74.2	77.1	77.2	77.5	78.8	78.9	79.3	79.7	79.7	80.1	80.4	80.4	80.6	80.6	80.6	80.6	80.6
800	76.2	79.1	79.2	79.5	80.8	80.9	81.3	81.7	81.7	82.1	82.4	82.4	82.6	82.6	82.6	82.6	82.6
700	78.2	81.1	81.2	81.5	82.8	82.9	83.3	83.7	83.7	84.1	84.4	84.4	84.6	84.6	84.6	84.6	84.6
600	80.2	83.1	83.2	83.5	84.8	84.9	85.3	85.7	85.7	86.1	86.4	86.4	86.6	86.6	86.6	86.6	86.6
500	82.2	85.1	85.2	85.5	86.8	86.9	87.3	87.7	87.7	88.1	88.4	88.4	88.6	88.6	88.6	88.6	88.6
400	84.2	87.1	87.2	87.5	88.8	88.9	89.3	89.7	89.7	90.1	90.4	90.4	90.6	90.6	90.6	90.6	90.6
300	86.2	89.1	89.2	89.5	90.8	90.9	91.3	91.7	91.7	92.1	92.4	92.4	92.6	92.6	92.6	92.6	92.6
200	88.2	91.1	91.2	91.5	92.8	92.9	93.3	93.7	93.7	94.1	94.4	94.4	94.6	94.6	94.6	94.6	94.6
100	90.2	93.1	93.2	93.5	94.8	94.9	95.3	95.7	95.7	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.6
0	92.2	95.1	95.2	95.5	96.8	96.9	97.3	97.7	97.7	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 81

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 0127 CAPE ROMANZOF AFS AK  
STATION NAME

73-81

APC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	32.3	35.4	35.9	36.3	36.9	36.9	37.2	37.7	37.7	37.7	38.1	39.1	39.3	38.3	38.3	38.3
900	33.6	36.2	36.7	37.0	37.7	37.7	37.9	38.4	38.4	38.4	38.9	38.9	39.0	39.0	39.0	39.0
800	36.3	38.9	39.4	39.8	40.4	40.4	40.6	41.1	41.1	41.1	41.5	41.6	41.7	41.7	41.7	41.9
700	36.9	39.5	40.0	40.4	41.0	41.0	41.2	41.7	41.7	41.7	42.2	42.2	42.3	42.3	42.3	42.5
600	36.9	39.5	40.0	40.4	41.0	41.0	41.2	41.7	41.7	41.7	42.2	42.2	42.3	42.3	42.3	42.5
500	37.5	40.1	40.6	41.0	41.6	41.6	41.9	42.3	42.3	42.3	42.8	42.8	43.0	43.0	43.0	43.1
400	38.4	41.0	41.5	41.9	42.5	42.5	42.7	43.2	43.2	43.2	43.7	43.7	43.8	43.8	43.8	44.0
300	39.1	41.7	42.2	42.6	43.2	43.2	43.5	44.0	44.0	44.0	44.4	44.4	44.6	44.6	44.6	44.7
200	41.6	43.3	43.8	44.3	44.9	44.9	45.2	45.7	45.7	45.7	46.2	46.2	46.3	46.3	46.4	46.5
100	41.6	44.3	45.1	45.6	46.2	46.2	46.4	46.9	46.9	46.9	47.4	47.4	47.5	47.5	47.7	47.8
000	42.1	44.8	45.6	46.0	46.7	46.7	46.9	47.4	47.4	47.4	47.9	47.9	48.0	48.0	48.1	48.3
5000	42.2	45.1	45.8	46.3	46.9	47.0	47.3	47.8	47.8	47.8	48.3	48.3	48.4	48.4	48.5	48.6
4000	42.3	45.2	45.9	46.4	47.0	47.2	47.4	47.9	47.9	47.9	48.4	48.4	48.5	48.5	48.6	48.8
3000	44.4	47.5	48.4	49.1	50.0	50.1	50.4	50.9	50.9	50.9	51.4	51.4	51.5	51.5	51.6	51.7
2000	47.0	50.5	51.5	52.2	53.3	53.5	53.8	54.3	54.4	54.6	55.1	55.1	55.2	55.2	55.3	55.4
1000	48.6	53.1	54.2	54.9	56.0	56.2	56.7	57.3	57.4	57.5	58.0	58.0	58.1	58.1	58.3	58.4
0000	50.6	55.2	56.3	57.0	58.1	58.3	58.8	59.4	59.5	59.6	60.1	60.1	60.2	60.2	60.4	60.5
5000	51.9	58.4	59.5	60.2	61.4	61.6	62.1	62.7	62.8	63.0	63.5	63.5	63.6	63.6	63.7	63.8
4000	52.0	58.6	59.8	60.6	61.9	62.1	62.6	63.2	63.3	63.5	64.0	64.0	64.1	64.1	64.2	64.3
3000	53.3	60.6	61.9	63.1	64.7	64.9	65.6	66.2	66.3	66.4	66.9	66.9	67.0	67.0	67.2	67.3
2000	56.0	64.6	65.9	67.2	68.8	69.4	70.9	71.5	71.6	71.9	72.3	72.3	72.5	72.5	72.6	72.7
1000	57.7	66.9	68.3	69.6	71.2	71.9	73.3	74.0	74.1	74.3	74.8	74.9	75.1	75.1	75.2	75.3
0000	57.9	67.3	68.8	70.1	71.7	72.3	74.0	74.6	74.7	74.9	75.4	75.4	75.6	75.6	75.9	76.0
5000	58.4	67.7	69.1	70.5	72.1	72.7	74.3	75.1	75.2	75.4	75.9	76.0	76.3	76.3	76.7	76.8
4000	58.4	68.5	70.1	71.6	73.2	73.8	75.4	76.4	76.5	76.8	77.5	77.7	78.0	78.3	78.4	78.5
3000	59.4	70.0	71.6	73.1	74.8	75.8	77.5	79.0	79.1	80.0	81.0	81.1	81.5	81.7	82.2	82.3
2000	60.5	71.7	73.7	75.4	77.3	78.3	80.9	82.3	82.5	83.3	84.5	84.8	85.2	85.4	85.9	86.0
1000	61.4	73.5	76.0	78.0	80.0	81.1	84.1	85.6	85.8	86.8	88.6	88.9	89.3	89.5	90.0	90.1
0000	61.4	73.8	76.5	78.5	80.7	81.9	84.8	86.3	86.5	87.9	90.2	90.6	91.4	91.6	92.1	92.2
5000	61.5	74.4	77.3	79.3	81.6	82.8	85.8	87.3	87.5	88.9	91.7	92.2	93.5	93.7	94.4	94.8
4000	61.5	74.4	77.4	79.4	81.9	83.1	86.7	88.6	88.9	90.2	94.0	94.6	96.0	96.3	97.4	98.5
3000	61.5	74.4	77.4	79.4	81.9	83.1	86.7	88.6	88.9	90.2	94.3	94.9	96.4	96.7	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 31

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2120

CAPE ROMANZOF AFS AK

73-81

AKC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥1000	33.7	32.2	32.7	32.7	33.1	33.1	33.5	33.6	33.6	33.8	33.9	34.0	34.1	34.1	34.1	34.5
900	31.7	33.2	33.8	33.8	34.1	34.1	34.5	34.6	34.6	34.8	35.0	35.1	35.3	35.3	35.3	35.6
800	34.5	36.1	36.6	36.6	37.0	37.0	37.4	37.5	37.5	37.7	37.9	38.0	38.2	38.2	38.2	38.5
700	35.0	36.6	37.2	37.2	37.5	37.5	37.9	38.0	38.0	38.2	38.4	38.5	38.7	38.7	38.7	39.0
600	35.1	36.8	37.3	37.3	37.7	37.7	38.0	38.2	38.2	38.3	38.5	38.7	38.8	38.8	38.8	39.2
500	35.8	37.4	37.9	37.9	38.3	38.3	38.7	38.8	38.8	38.9	39.2	39.3	39.4	39.4	39.4	39.6
400	37.4	39.0	39.5	39.5	39.9	39.9	40.3	40.4	40.4	40.6	40.8	40.9	41.1	41.1	41.1	41.4
300	37.7	39.3	39.8	39.8	40.2	40.2	40.6	40.7	40.7	40.8	41.1	41.2	41.3	41.3	41.3	41.7
200	39.3	41.1	41.6	41.6	41.9	41.9	42.3	42.4	42.4	42.6	42.8	42.9	43.2	43.2	43.2	43.6
100	39.9	41.7	42.3	42.3	42.9	42.9	43.5	43.6	43.6	44.2	44.5	44.7	45.0	45.0	45.0	45.3
≤50	41.7	42.4	43.1	43.1	43.7	43.7	44.2	44.3	44.3	44.7	45.2	45.5	45.7	45.7	45.7	46.1
≤30	41.2	42.9	43.6	43.6	44.2	44.2	44.7	44.8	44.8	45.2	45.7	46.0	46.2	46.2	46.2	46.6
≤15	41.6	43.3	44.0	44.0	44.6	44.6	45.1	45.2	45.2	45.6	46.1	46.3	46.6	46.6	46.6	47.0
≤10	43.8	45.7	46.6	46.6	47.6	47.6	48.1	48.2	48.2	48.6	49.1	49.4	49.6	49.6	49.6	50.0
≤5	46.3	48.5	49.5	49.6	50.6	50.6	51.1	51.4	51.4	51.8	52.3	52.5	52.9	52.8	52.8	53.1
≤3	47.1	49.6	50.7	51.0	52.3	52.3	53.3	53.5	53.7	54.0	54.7	54.9	55.2	55.2	55.2	55.5
≤2	49.1	51.8	53.1	53.3	54.5	54.5	55.7	55.9	56.0	56.4	57.1	57.3	57.6	57.6	57.6	57.9
≤1	51.6	55.0	56.4	56.7	58.6	58.6	59.7	59.9	60.0	60.5	61.1	61.2	61.7	61.7	61.7	62.1
≤0.5	54.5	58.4	60.2	60.6	63.4	63.4	64.9	65.1	65.2	65.6	66.2	66.6	66.9	66.9	66.9	67.3
≤0.3	57.3	62.7	63.9	64.4	67.3	67.4	69.5	70.0	70.7	70.9	71.5	71.9	72.2	72.2	72.2	72.5
≤0.2	58.4	64.0	66.2	66.8	69.6	69.8	72.0	72.5	72.8	73.4	74.3	74.7	75.1	75.1	75.1	75.4
≤0.1	59.7	65.6	67.9	68.4	71.3	71.4	73.7	74.2	74.4	75.1	75.9	76.3	76.7	76.8	76.8	77.2
≤0.05	60.2	66.6	69.0	69.8	72.8	72.9	75.4	75.9	76.2	76.9	77.7	78.1	78.5	78.6	78.6	79.0
≤0.03	60.2	67.4	69.9	70.7	73.8	73.9	76.4	77.0	77.3	78.1	79.1	79.5	79.8	80.0	80.0	80.4
≤0.02	61.2	68.9	71.8	72.8	76.2	76.4	79.3	80.2	80.7	81.5	82.9	83.2	83.6	83.9	84.4	84.5
≤0.01	61.3	70.0	73.2	74.2	77.6	77.6	80.7	81.6	82.1	83.2	85.0	85.5	85.9	86.1	86.6	87.0
≤0.005	61.7	70.8	74.4	75.6	79.1	79.5	83.1	84.3	84.8	86.1	88.5	89.2	89.3	90.1	90.7	91.1
≤0.003	62.0	71.7	75.4	77.2	81.0	81.5	85.1	86.8	87.3	88.7	91.9	92.6	93.2	93.5	94.1	94.5
≤0.002	62.0	71.8	75.7	77.7	81.7	82.5	86.3	87.9	88.4	89.8	93.8	94.5	95.1	95.3	96.1	96.5
≤0.001	62.0	71.9	76.1	78.1	82.7	83.5	87.4	89.4	89.9	91.8	96.0	96.6	97.5	97.7	98.5	99.6
≤0.0005	62.0	71.9	76.1	78.1	82.7	83.5	87.4	89.4	89.9	91.8	96.2	96.9	97.7	98.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 794



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

730120 CAPE ROMANZOF AFS AK

73-01

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

12 7-2 72

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	37.4	33.4	34.7	34.6	34.7	34.9	35.3	35.5	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8
20000	31.0	34.0	34.6	34.6	35.3	35.5	36.0	36.1	36.1	36.3	36.6	36.6	36.6	36.6	36.6	36.6
18000	34.3	37.6	38.4	38.4	39.1	39.3	39.7	39.9	39.9	40.0	40.3	40.6	40.6	40.6	40.6	40.6
16000	34.6	37.9	38.7	38.7	39.4	39.6	40.0	40.2	40.2	40.3	40.6	40.6	40.6	40.6	40.6	40.6
14000	35.2	38.5	39.3	39.3	40.0	40.2	40.6	40.8	40.8	40.9	41.2	41.2	41.2	41.2	41.2	41.2
12000	36.3	39.6	40.3	40.3	41.1	41.2	41.7	41.8	41.8	42.0	42.3	42.3	42.3	42.3	42.3	42.3
10000	37.2	40.6	41.4	41.4	42.1	42.3	42.7	42.9	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4
8000	38.1	41.5	42.3	42.3	43.1	43.2	43.7	43.8	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3
6000	40.5	44.0	45.0	45.0	45.8	45.9	46.4	46.5	46.5	46.7	47.0	47.0	47.0	47.0	47.0	47.0
4000	41.5	44.3	45.5	45.5	46.4	46.5	47.0	47.1	47.1	47.3	47.6	47.6	47.6	47.6	47.6	47.6
2000	41.8	45.3	46.5	46.5	47.4	47.6	48.0	48.1	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6
1000	41.5	45.8	47.0	47.0	47.9	48.0	48.5	48.6	48.6	48.8	49.1	49.1	49.1	49.1	49.1	49.1
500	42.1	46.1	47.3	47.3	48.2	48.3	48.8	48.9	48.9	49.1	49.4	49.4	49.4	49.4	49.4	49.4
250	44.3	46.2	47.7	47.7	50.6	50.6	51.4	51.5	51.5	51.8	52.1	52.1	52.1	52.1	52.1	52.1
150	46.5	51.1	52.5	52.6	53.5	53.6	54.5	54.7	54.7	55.0	55.3	55.3	55.3	55.3	55.3	55.3
100	47.3	52.0	53.5	53.5	54.5	54.8	55.9	56.0	56.3	56.9	57.3	57.3	57.4	57.4	57.4	57.4
75	48.5	54.1	56.5	56.9	58.0	58.3	59.4	59.5	60.0	60.7	61.0	61.0	61.2	61.3	61.5	61.5
50	48.5	54.2	56.8	57.1	58.8	59.1	60.1	60.3	60.7	61.5	61.8	61.8	61.9	62.1	62.7	62.7
25	49.2	55.7	58.6	59.5	61.2	61.5	62.8	63.1	63.6	64.4	64.7	64.7	64.8	65.0	65.1	65.1
15	52.3	59.7	62.8	63.7	66.0	66.3	68.0	68.3	69.0	69.9	70.2	70.2	70.5	70.7	70.8	70.8
10	53.3	61.0	64.7	65.6	67.8	68.1	70.1	70.7	71.5	72.8	73.1	73.1	73.4	73.6	73.7	73.7
7.5	53.5	61.6	65.4	66.3	68.9	69.3	71.3	71.9	72.7	74.0	74.3	74.3	74.6	74.8	74.9	74.9
5	53.6	61.8	66.2	67.1	69.6	70.1	72.1	72.7	73.4	74.8	75.2	75.2	75.5	75.7	75.8	75.8
2.5	54.1	62.4	66.9	67.8	70.5	71.0	73.3	73.9	74.6	76.0	76.6	76.6	76.9	77.0	77.2	77.2
1.5	54.8	63.6	68.7	69.9	73.0	73.6	76.1	76.9	77.6	79.3	80.2	80.2	80.5	80.7	80.8	80.8
1.0	55.3	64.4	69.5	70.7	74.2	75.1	78.1	79.0	80.1	82.2	83.5	83.5	83.8	84.0	84.1	84.3
.75	56.3	65.3	71.0	72.4	75.8	77.3	80.5	82.3	83.7	86.3	89.3	89.3	89.6	89.7	89.9	90.2
.5	56.3	65.6	71.5	73.1	76.7	78.4	81.7	83.7	85.0	87.9	91.4	91.4	92.0	92.1	92.1	92.7
.25	56.3	65.6	71.6	73.3	77.0	78.9	82.2	84.1	85.5	88.5	92.4	92.4	93.4	93.5	93.8	94.4
.15	56.3	65.6	71.6	73.3	77.2	79.2	82.5	84.6	86.0	89.6	94.6	94.6	96.1	96.2	97.0	98.5
.1	56.3	65.6	71.6	73.3	77.2	79.2	82.5	84.6	86.0	89.7	94.7	94.7	96.7	96.7	98.7	98.5

TOTAL NUMBER OF OBSERVATIONS 662

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7:2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEAR

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

21.2-21.20

		VISIBILITY - STATUTE MILES															
		≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	33.7	35.8	36.6	36.9	37.4	37.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
900	FEET	34.5	36.6	37.4	37.7	38.2	38.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
800	FEET	35.5	37.8	38.6	38.9	39.4	39.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
700	FEET	36.2	38.3	39.1	39.4	39.8	39.8	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
600	FEET	37.2	39.5	40.3	40.6	41.1	41.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
500	FEET	38.6	41.1	41.8	42.2	42.6	42.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
400	FEET	39.4	41.8	42.6	42.9	43.5	43.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
300	FEET	41.1	43.8	44.5	45.2	46.5	46.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
200	FEET	42.2	44.2	45.0	45.3	47.5	47.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
100	FEET	42.9	45.8	46.9	47.2	48.5	48.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0	FEET	43.5	46.5	47.5	47.8	49.1	49.1	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
100	FEET	44.2	47.2	48.3	48.6	49.8	49.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
200	FEET	44.9	48.0	49.1	49.4	50.6	50.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
300	FEET	46.8	50.0	51.4	51.7	52.9	53.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
400	FEET	48.2	51.8	53.4	53.7	54.9	55.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
500	FEET	48.1	52.7	54.5	54.8	56.5	56.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
600	FEET	49.8	53.7	55.8	56.2	58.5	58.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
700	FEET	51.2	54.3	56.5	56.8	59.1	59.2	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
800	FEET	52.8	55.4	58.1	58.5	60.8	60.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
900	FEET	53.1	58.0	60.6	61.4	63.7	63.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
1000	FEET	54.3	59.8	62.9	63.5	66.2	66.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
1100	FEET	55.2	60.9	63.8	64.6	67.4	67.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
1200	FEET	56.5	62.3	65.7	66.5	69.4	69.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1300	FEET	56.9	62.8	66.3	67.1	70.0	70.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
1400	FEET	57.7	64.3	68.0	69.2	72.2	72.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1500	FEET	58.3	65.1	69.2	70.8	73.7	73.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1600	FEET	59.5	66.5	70.9	72.8	75.7	76.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1700	FEET	59.7	66.9	71.4	73.2	76.3	76.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1800	FEET	59.7	66.9	71.4	73.5	76.8	77.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
1900	FEET	59.7	66.9	71.4	73.5	76.9	77.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2000	FEET	59.7	66.9	71.4	73.5	76.9	77.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6

TOTAL NUMBER OF OBSERVATIONS 65

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-7120 CAPE ROMANZOF AFS AK

73-81

APR

CEILING

STATION NAME

PERCENT

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

		VISIBILITY - STATUTE MILES																	
		20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
1000	32.7	35.2	35.9	36.1	37.0	37.1	37.6	37.8	37.9	38.0	38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
900	33.5	36.1	36.4	37.0	37.9	38.0	38.5	38.7	38.8	38.9	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.4
800	35.2	37.9	38.7	38.9	39.8	39.9	40.4	40.7	40.7	40.8	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.3
700	35.5	38.2	39.0	39.2	40.2	40.3	40.8	41.0	41.0	41.1	41.2	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.7
600	35.7	38.4	39.2	39.4	40.4	40.5	41.0	41.2	41.2	41.3	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.9
500	36.1	38.9	39.7	39.9	40.8	40.9	41.4	41.7	41.7	41.8	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.4
400	37.4	40.2	41.0	41.2	42.2	42.3	42.8	43.1	43.1	43.2	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.8
300	37.9	40.7	41.5	41.8	42.8	42.9	43.3	43.6	43.7	43.8	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.3
200	39.5	42.5	43.3	43.6	44.6	44.7	45.2	45.5	45.5	45.7	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.3
100	40.8	43.7	44.7	44.9	46.1	46.2	46.7	47.0	47.0	47.1	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.8
50	41.4	44.4	45.4	45.7	46.8	46.9	47.4	47.7	47.7	47.9	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.5
25	42.3	45.4	46.4	46.7	47.8	47.9	48.5	48.7	48.8	48.9	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.6
10	42.6	45.8	46.9	47.2	48.3	48.5	49.0	49.3	49.3	49.5	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.1
5	44.2	47.6	48.9	49.3	50.6	50.8	51.3	51.6	51.7	51.9	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.5
2	46.6	50.2	51.8	52.2	53.5	53.7	54.3	54.6	54.7	54.9	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6
1	47.7	51.8	53.6	54.0	55.4	55.6	56.3	56.7	56.8	57.1	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.8
0.5	49.9	53.1	54.7	55.4	56.9	57.1	57.8	58.2	58.4	58.7	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.4
0.25	50.0	55.1	57.1	57.6	59.4	59.6	60.3	60.7	60.9	61.2	61.7	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.1
0.1	50.4	55.6	57.6	58.2	60.1	60.3	61.0	61.4	61.6	62.0	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.8
0.05	51.6	57.4	59.7	60.6	62.8	63.0	63.9	64.4	64.6	64.9	65.4	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.8
0.025	54.5	60.8	63.2	64.2	66.5	66.8	68.2	68.8	69.0	69.5	70.0	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.5
0.01	55.6	62.4	65.0	66.1	68.7	69.0	70.5	71.3	71.5	72.1	72.8	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.4
0.005	56.2	63.2	66.0	67.1	69.8	70.2	71.7	72.5	72.9	73.4	74.0	74.3	74.7	74.8	74.8	74.8	74.8	74.8	74.9
0.0025	56.6	63.8	66.9	68.2	70.9	71.3	72.9	73.6	74.2	74.8	75.7	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.4
0.001	56.9	64.4	67.5	68.8	71.7	72.0	73.7	74.7	75.2	75.9	77.1	77.2	77.8	78.0	78.0	78.0	78.0	78.0	78.1
0.0005	57.7	65.6	69.0	70.5	73.5	74.0	75.8	77.0	77.5	78.5	80.0	80.2	80.8	81.0	81.0	81.0	81.0	81.0	81.1
0.00025	58.5	67.1	70.8	72.6	76.0	76.5	78.7	80.1	80.8	82.1	84.2	84.4	85.0	85.2	85.2	85.2	85.2	85.2	85.3
0.0001	59.3	68.3	72.4	74.4	78.0	78.7	81.1	82.9	83.7	85.2	88.2	88.4	89.4	89.6	89.6	89.6	89.6	89.6	89.7
0.00005	59.4	68.7	72.9	75.1	78.9	79.6	82.2	84.1	84.9	86.6	90.2	90.5	91.8	92.0	92.0	92.0	92.0	92.0	92.1
0.000025	59.5	69.0	73.3	75.7	79.6	80.0	83.1	85.0	85.9	87.7	91.9	92.3	94.2	94.4	94.4	94.4	94.4	94.4	94.5
0.00001	59.5	69.1	73.4	75.8	79.9	80.9	83.6	85.8	86.7	88.6	93.5	93.9	96.3	96.6	96.6	96.6	96.6	96.6	96.7
0.000005	59.5	69.1	73.4	75.8	79.9	80.9	83.6	85.8	86.7	88.7	93.6	94.1	96.8	97.1	97.1	97.1	97.1	97.1	97.2

TOTAL NUMBER OF OBSERVATIONS 5119

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120

CAPE ROMANZOF AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥10000	32.3	32.8	33.0	33.0	33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥8000	33.5	34.0	34.3	34.3	34.9	34.9	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥6000	34.9	35.4	35.7	35.7	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥4000	35.0	35.5	35.8	35.8	36.4	36.4	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥2000	35.9	36.4	36.7	36.7	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥1000	36.3	36.9	37.2	37.2	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥800	37.3	37.9	38.2	38.2	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥600	40.4	41.4	41.8	41.8	42.8	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥400	43.0	44.3	44.6	44.6	45.6	45.6	45.6	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥200	44.1	45.4	45.8	45.8	46.9	46.9	46.9	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3
≥100	46.3	47.5	47.9	48.0	49.1	49.1	49.1	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5
≥80	47.1	48.4	48.9	49.0	50.1	50.1	50.1	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥60	50.6	51.9	52.5	52.7	54.1	54.2	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7
≥40	53.7	55.0	55.9	56.2	57.9	58.0	58.1	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥20	55.4	57.0	58.0	58.4	60.0	60.1	60.2	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥10	57.5	59.2	60.2	60.6	62.2	62.3	62.5	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0
≥8	60.5	62.6	63.6	64.2	66.0	66.1	66.2	66.5	66.5	66.6	66.7	66.8	66.8	66.8	66.8	66.8
≥6	61.0	63.2	64.2	64.8	66.6	66.7	66.8	67.1	67.1	67.2	67.3	67.5	67.5	67.5	67.5	67.5
≥4	64.2	67.0	68.1	68.7	70.4	70.6	71.1	71.3	71.3	71.4	71.6	71.7	71.7	71.7	71.7	71.7
≥2	66.5	71.6	72.7	73.3	75.3	75.4	76.1	76.3	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.7
≥1	72.1	75.9	77.2	77.8	80.0	80.2	80.8	81.0	81.0	81.2	81.3	81.4	81.4	81.4	81.4	81.4
≥0.5	73.1	77.1	78.4	79.1	81.3	81.4	82.2	82.4	82.4	82.5	82.7	82.8	82.8	82.8	82.8	82.8
≥0.25	74.3	78.7	80.0	80.7	82.9	83.0	83.9	84.3	84.3	84.4	84.5	84.7	84.7	84.7	84.7	84.7
≥0.1	75.3	80.3	81.8	82.4	84.7	84.9	85.8	86.3	86.3	86.4	86.5	86.7	86.7	86.7	86.7	86.7
≥0.05	75.8	80.9	82.5	83.2	85.4	85.7	87.0	87.5	87.5	87.7	87.9	88.0	88.0	88.0	88.0	88.0
≥0.025	76.4	82.0	84.3	84.9	88.0	88.3	89.7	90.1	90.1	90.5	90.8	90.9	90.9	90.9	90.9	90.9
≥0.01	77.6	83.4	86.2	86.8	90.1	90.4	91.8	92.3	92.3	93.3	93.9	94.0	94.3	94.3	94.3	94.3
≥0.005	77.7	83.5	86.5	87.4	90.9	91.1	92.5	93.1	93.1	94.3	95.0	95.1	95.5	95.5	95.5	95.5
≥0.0025	77.7	83.5	86.7	87.7	91.5	91.8	93.1	94.1	94.1	95.3	96.5	96.6	97.3	97.4	97.5	97.5
≥0.001	77.7	83.5	86.7	87.8	91.6	91.9	93.3	94.3	94.3	95.5	97.1	97.3	98.1	98.3	98.8	98.8
≥0.0005	77.7	83.5	86.7	87.8	91.6	91.9	93.3	94.3	94.3	95.5	97.1	97.3	98.5	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 877

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/LMAC

# CEILING VERSUS VISIBILITY

702120 CAPE ROMANZOF AFS AK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

300-500

CEILING FEET	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
200	27.5	30.3	30.5	37.9	31.0	31.3	31.0	31.0	31.7	31.2	31.5	31.5	31.5	31.5	1.5	31.5												
250	30.7	31.6	31.8	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
300	32.4	33.1	33.4	33.7	33.9	33.9	33.9	33.9	33.9	33.9	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
350	32.5	33.3	33.6	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.3	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
400	32.8	33.5	33.9	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
450	33.5	34.2	34.6	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
500	34.2	35.0	35.4	35.6	35.9	35.9	35.9	35.9	35.9	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
550	35.0	36.0	36.4	36.7	36.8	36.8	36.8	36.8	36.8	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
600	36.7	37.7	38.0	38.4	38.5	38.5	38.5	38.5	38.5	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
650	39.5	40.6	41.3	41.6	41.7	41.7	41.7	41.7	41.7	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
700	41.4	41.5	42.2	42.6	42.7	42.7	42.7	42.7	42.7	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
750	43.3	44.4	45.1	45.5	45.7	45.7	45.7	45.7	45.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
800	44.3	45.3	46.1	46.4	46.7	46.7	46.7	46.7	46.7	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
850	47.4	48.7	49.4	49.8	50.2	50.4	50.4	50.4	50.4	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
900	50.0	51.6	52.4	52.8	53.2	53.3	53.3	53.3	53.3	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
950	52.2	53.7	54.7	55.0	55.5	55.6	55.6	55.6	55.6	55.6	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1000	54.4	56.2	57.4	57.8	58.3	58.4	58.4	58.4	58.4	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
1050	55.6	57.7	59.0	59.6	60.0	60.2	60.3	60.6	60.6	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
1100	56.5	58.5	59.8	60.4	60.9	61.0	61.1	61.5	61.5	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1150	58.2	62.4	63.9	64.6	65.6	65.7	65.9	66.5	66.5	67.0	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
1200	64.0	66.6	69.2	68.9	70.2	70.3	70.6	71.2	71.7	71.8	72.4	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
1250	67.3	70.5	72.4	73.2	75.1	75.2	75.5	76.1	76.2	76.7	77.3	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
1300	68.7	71.9	74.2	75.1	77.0	77.2	77.5	78.1	78.2	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
1350	67.3	72.6	74.9	76.0	78.1	78.2	78.7	79.3	79.4	79.9	80.5	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
1400	70.1	73.6	75.8	76.9	79.1	79.2	79.8	80.4	80.5	81.1	81.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1450	70.7	74.6	77.2	78.3	80.6	80.7	81.6	82.3	82.5	83.1	83.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
1500	71.5	75.6	78.2	79.7	82.4	82.7	83.6	84.4	84.7	85.5	86.2	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
1550	72.2	76.9	79.7	81.2	84.1	84.3	85.6	87.0	87.4	88.8	89.8	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
1600	73.0	78.1	81.0	82.7	85.6	85.9	87.7	89.1	89.6	91.3	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1650	73.0	78.2	81.2	82.9	86.5	86.7	88.5	90.0	90.4	92.2	94.0	94.3	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
1700	73.1	78.3	81.3	83.0	86.8	87.2	89.0	90.5	91.0	92.9	95.3	95.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
1750	73.1	78.3	81.3	83.0	86.8	87.2	89.0	90.6	91.0	93.1	95.5	95.7	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 636

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-127 CAPE ROMAN OF AFS AK

73-61

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

600-0800

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005	≥0.0025	≥0.001
≥1000	28.3	29.9	30.5	30.5	30.7	30.7	30.8	30.9	30.9	31.1	31.1	31.1	31.2	31.2	31.3	31.2
900-1000	27.9	31.5	32.1	32.1	32.4	32.4	32.5	32.6	32.6	32.7	32.7	32.7	32.9	33.0	33.0	33.2
800-900	31.3	33.0	33.6	33.6	33.8	33.8	33.9	34.1	34.1	34.2	34.2	34.2	34.3	34.4	34.4	34.4
700-800	31.4	33.1	33.7	33.7	33.9	33.9	34.1	34.2	34.2	34.3	34.3	34.3	34.4	34.5	34.5	34.5
600-700	31.4	33.1	33.7	33.7	33.9	33.9	34.1	34.2	34.2	34.3	34.3	34.3	34.4	34.5	34.5	34.5
500-600	31.8	33.5	34.1	34.1	34.3	34.3	34.4	34.5	34.5	34.6	34.6	34.6	34.7	34.7	34.7	34.7
400-500	32.9	34.6	35.2	35.2	35.5	35.5	35.6	35.7	35.7	35.8	35.8	35.8	36.0	36.1	36.1	36.1
300-400	34.3	36.1	36.7	36.7	36.9	36.9	37.0	37.2	37.2	37.3	37.3	37.3	37.4	37.5	37.5	37.5
200-300	36.8	38.7	39.4	39.4	39.7	39.7	39.8	39.9	39.9	40.0	40.0	40.0	40.1	40.2	40.2	40.2
100-200	39.4	41.5	42.3	42.4	42.7	42.7	42.8	42.9	42.9	43.0	43.0	43.0	43.1	43.2	43.2	43.2
0-100	41.3	43.4	44.2	44.3	44.6	44.6	44.7	44.8	44.8	44.9	44.9	44.9	45.0	45.2	45.2	45.2
≤0	42.9	44.8	45.6	45.6	46.2	46.2	46.4	46.5	46.5	46.6	46.6	46.6	46.7	46.8	46.8	46.8
≤-100	43.7	45.8	46.6	47.0	47.2	47.2	47.3	47.4	47.4	47.6	47.6	47.6	47.7	47.8	47.8	47.8
≤-200	45.6	47.8	48.7	49.1	49.3	49.3	49.5	49.6	49.6	49.7	49.8	49.8	50.0	50.2	50.4	50.4
≤-300	48.1	50.5	51.6	52.0	52.2	52.2	52.4	52.6	52.6	52.7	52.9	52.9	53.0	53.2	53.4	53.4
≤-400	51.3	53.6	54.7	55.1	55.3	55.3	55.6	55.7	55.7	55.8	55.9	55.9	56.2	56.3	56.5	56.5
≤-500	54.0	56.8	57.8	58.2	58.4	58.4	58.7	58.8	58.8	58.9	59.1	59.1	59.3	59.4	59.6	59.6
≤-600	55.6	58.5	59.9	60.3	60.6	60.6	60.8	61.3	61.3	61.4	61.5	61.5	61.8	61.9	62.1	62.1
≤-700	57.0	60.0	61.4	61.9	62.1	62.1	62.4	62.8	62.8	63.0	63.1	63.1	63.3	63.4	63.7	63.7
≤-800	61.9	65.5	67.3	67.5	67.7	67.9	68.1	68.7	68.7	68.8	68.9	68.9	69.2	69.3	69.5	69.5
≤-900	66.1	70.5	72.3	72.8	73.1	73.4	73.7	74.4	74.5	74.8	74.9	74.9	75.1	75.3	75.5	75.6
≤-1000	68.7	73.4	75.6	76.2	76.8	77.1	77.4	78.1	78.3	78.9	79.1	79.1	79.3	79.5	79.7	79.8
≤-1100	71.1	75.4	77.7	78.3	79.1	79.3	79.7	80.4	80.5	81.1	81.4	81.4	81.6	81.7	82.0	82.1
≤-1200	70.7	76.3	78.5	79.2	80.0	80.3	80.8	81.5	81.6	82.2	82.4	82.4	82.7	82.8	83.0	83.2
≤-1300	71.1	76.3	79.0	79.7	80.5	80.8	81.2	82.1	82.2	82.9	83.2	83.2	83.4	83.5	83.8	83.9
≤-1400	71.6	77.2	79.9	80.6	81.7	82.1	82.6	83.5	83.6	84.3	84.6	84.6	85.1	85.2	85.4	85.5
≤-1500	72.3	79.5	82.2	83.0	84.0	84.3	85.1	86.6	86.6	87.5	88.1	88.1	88.5	88.6	88.9	89.0
≤-1600	73.7	81.5	84.2	85.4	86.5	87.0	87.8	89.8	89.8	90.3	91.3	92.0	92.5	92.7	93.0	93.1
≤-1700	74.0	82.0	84.7	85.9	87.2	87.7	88.6	90.7	91.2	92.2	93.3	93.3	94.1	94.3	94.7	94.9
≤-1800	74.2	82.2	84.9	86.1	87.9	88.4	89.5	91.8	92.2	93.4	94.9	94.9	96.3	96.4	97.0	97.4
≤-1900	74.2	82.2	84.9	86.1	88.1	88.9	90.2	92.8	93.3	94.5	96.2	96.2	97.7	98.0	98.9	99.5
≤-2000	74.2	82.2	84.9	86.1	88.1	88.9	90.2	92.8	93.3	94.5	96.3	96.3	97.8	98.1	99.0	99.7

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

70-120 CAPE ROMANOF AFB AK  
STATION NAME

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

500-1400

U.S. STATISTICS																					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3	7	31.5	31.5	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	
32.7	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	
33.9	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	
34.2	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	
34.9	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	
35.2	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	
36.2	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	
37.5	40.4	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	
42.2	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	
44.2	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	
44.7	45.3	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	
45.1	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	
48.1	49.3	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	
52.4	53.6	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
53.0	54.8	55.7	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
55.8	57.0	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
57.7	59.5	60.7	60.8	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
59.1	60.9	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
66.7	69.1	69.8	70.0	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
71.5	73.7	74.9	75.1	75.6	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	
72.3	75.1	77.3	77.7	78.5	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	
73.3	76.0	77.7	79.6	80.5	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	
75.0	79.2	80.7	81.0	82.0	82.6	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	
75.6	79.8	81.1	81.0	82.6	83.3	83.7	84.0	84.2	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
79.1	83.6	87.1	82.6	83.6	84.3	85.2	85.5	85.5	86.7	86.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
77.5	82.9	84.7	85.2	86.3	87.0	88.3	88.9	89.7	93.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
78.4	84.5	86.1	87.0	88.2	89.3	90.4	91.4	91.9	93.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	
79.7	85.1	86.7	87.7	89.0	89.3	91.3	92.2	92.8	94.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
79.3	85.5	87.2	88.2	89.6	90.4	92.1	93.1	93.7	95.6	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
79.1	85.8	87.7	88.9	90.3	91.2	92.8	93.8	94.4	96.5	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
79.1	85.8	87.7	88.9	90.3	91.2	92.8	93.8	94.4	96.5	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

73-51

12-142

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USA: FTA 0-14-5101A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



AD-A130 206

CAPE ROMANZOF AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 83

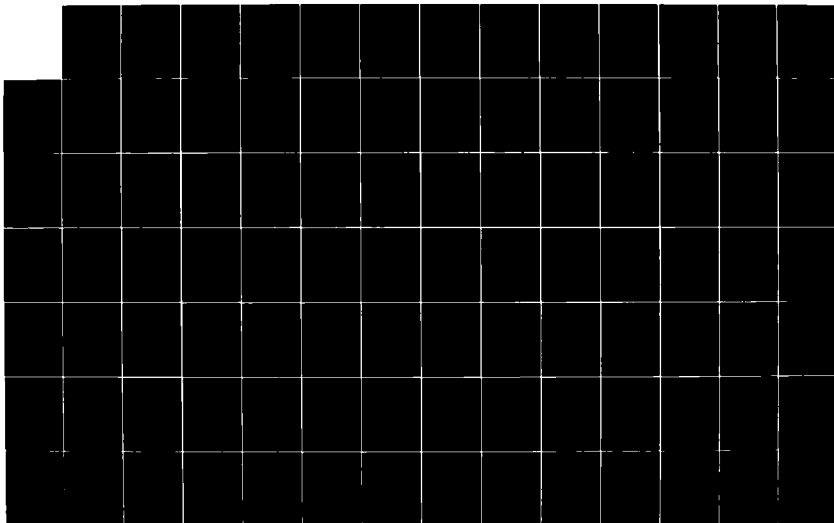
3/5

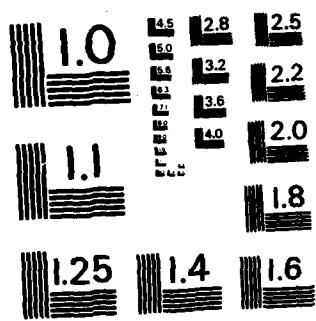
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USAFETAC/DS-83/008 S81-AD-E850 374

F/G 4/2

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	35.5	36.3	36.4	36.4	36.6	36.6	36.8	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	37.2	38.0	38.1	38.1	38.2	38.2	38.5	38.6	38.6	38.6	38.8	38.8	38.8	38.8	38.9	38.8
≥ 18000	37.9	38.6	38.8	38.9	39.0	39.0	39.3	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5
≥ 16000	38.2	39.0	39.1	39.3	39.4	39.4	39.7	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9
≥ 14000	38.2	39.0	39.1	39.3	39.4	39.4	39.7	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9
≥ 12000	38.9	39.7	39.8	39.9	40.1	40.1	40.3	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6
≥ 10000	40.2	41.0	41.1	41.2	41.3	41.5	41.7	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	40.8	41.6	41.7	41.9	42.0	42.1	42.4	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	44.4	45.5	45.6	45.7	45.9	46.0	46.3	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000	45.7	46.8	46.9	47.0	47.2	47.3	47.5	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8
≥ 6000	47.2	48.2	48.3	48.4	48.6	48.7	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2
≥ 5000	48.6	49.6	49.7	49.9	50.0	50.3	50.5	50.6	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4500	49.2	50.3	50.4	50.5	50.6	50.9	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4000	51.9	53.1	53.2	53.4	53.6	53.9	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
≥ 3500	53.6	54.8	54.9	55.0	55.3	55.6	55.8	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3000	56.2	57.8	57.9	58.1	58.5	59.0	59.3	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6
≥ 2500	61.1	61.9	62.0	62.3	62.7	63.2	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7
≥ 2000	62.5	64.5	64.6	65.0	65.4	65.9	66.1	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4
≥ 1800	63.6	65.5	65.6	66.0	66.4	66.9	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1500	69.4	71.7	72.0	72.4	73.1	73.6	73.9	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1200	76.6	79.3	79.6	80.1	80.9	81.4	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000	78.3	81.7	81.9	82.4	83.2	84.1	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0
≥ 900	78.6	81.9	82.2	82.7	83.5	84.5	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 800	79.3	82.7	83.1	83.6	84.4	85.4	86.3	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6
≥ 700	80.0	83.7	84.1	84.6	85.5	86.6	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	80.7	85.1	85.7	86.2	87.1	88.2	89.1	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	81.7	87.2	87.9	88.5	89.8	91.0	91.9	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 400	83.1	88.9	89.5	90.2	91.7	92.9	93.8	94.6	94.7	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	83.3	89.5	90.7	91.3	93.2	94.3	95.2	96.1	96.3	96.6	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200	83.5	89.7	90.8	91.5	93.5	94.7	95.6	96.6	96.8	97.3	97.9	97.9	97.9	97.9	98.1	98.2
≥ 100	83.5	89.8	91.1	91.7	93.8	95.0	95.9	97.0	97.2	97.8	98.4	98.4	98.8	98.8	99.1	99.4
≥ 50	83.5	89.8	91.1	91.7	93.8	95.0	95.9	97.0	97.2	97.8	98.6	98.6	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 774

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2123  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1820-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
>2000	35.8	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.2	36.2
2000	37.0	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.0	38.0
1800	38.3	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.3	39.3
1600	38.7	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.7	39.7
1400	39.2	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	40.2	40.2
1200	39.3	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.3
1000	40.2	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.3	41.3
800	42.2	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.3	43.3
600	46.2	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.5	47.5
400	48.7	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.0	50.0
200	49.5	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.8	50.8
100	50.8	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	52.2	52.2
50	52.0	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.3	53.3
25	54.2	54.8	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.7	55.7
12	57.3	58.3	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.3	59.3
6	59.8	61.0	61.2	61.3	61.3	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.8	62.8
3	62.0	63.2	63.3	63.5	63.7	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	65.2	65.2
1	64.8	66.2	66.3	66.7	67.0	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.5	68.5
0	66.0	67.3	67.5	67.8	68.2	68.8	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.7	69.7
200	70.0	71.7	72.2	72.8	73.5	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	75.0	75.0
1000	76.0	78.0	79.2	79.8	80.7	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	82.2	82.2
800	77.8	80.3	81.7	82.8	84.3	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	86.0	86.0
600	78.7	81.2	82.5	83.7	85.5	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	87.2	87.2
400	79.3	81.8	83.2	84.3	86.2	87.2	87.2	87.2	87.2	87.5	87.5	87.5	87.5	87.5	88.0	88.0
200	79.7	82.2	83.5	84.7	86.8	87.8	87.8	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.7	88.7
100	80.8	83.3	84.7	85.8	88.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.8	89.8
50	82.8	85.8	87.2	88.3	90.8	91.8	92.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	93.0	93.0
25	84.2	87.7	89.3	90.7	93.3	94.5	95.0	95.3	95.3	95.7	95.8	95.8	95.8	95.8	96.3	96.3
12	84.3	87.8	89.7	91.0	94.7	95.8	96.7	97.0	97.0	97.5	97.7	97.7	97.7	97.7	98.2	98.2
6	84.3	87.8	89.7	91.0	94.7	96.0	96.8	97.2	97.2	97.7	98.2	98.2	98.3	98.3	98.8	98.8
3	84.3	87.8	89.7	91.0	94.7	96.0	96.8	97.2	97.2	97.7	98.5	98.5	98.7	98.7	99.5	99.5
1	84.3	87.8	89.7	91.0	94.7	96.0	96.8	97.2	97.2	97.7	98.5	98.5	98.7	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

772120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO. CEILING	33.7	34.0	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 20000	35.3	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
IV 18000	36.8	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 16000	36.8	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 14000	36.8	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 12000	37.0	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 10000	37.6	37.9	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 9000	38.5	38.8	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 8000	42.3	42.9	43.2	43.2	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 7000	45.6	46.2	46.6	46.8	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 6000	47.1	47.7	48.1	48.3	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 5000	49.2	49.8	50.2	50.4	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 4500	49.5	50.1	50.7	50.8	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 4000	52.8	53.7	54.3	54.4	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 3500	55.9	57.1	57.9	58.0	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 3000	57.3	58.8	59.5	59.7	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 2500	59.7	61.2	62.0	62.1	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 2000	63.3	65.1	66.0	66.2	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 1800	64.1	66.0	66.9	67.1	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1500	68.4	70.8	72.0	72.3	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1200	72.3	75.0	76.5	77.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1000	74.9	78.3	80.9	81.5	82.7	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 900	76.1	79.5	82.1	82.7	83.9	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 800	77.3	80.8	83.3	83.9	85.1	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 700	77.7	81.5	84.2	84.8	86.3	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 600	78.5	82.6	85.3	85.9	87.4	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 500	79.5	84.2	87.2	88.3	90.1	90.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 400	79.7	85.3	88.3	89.3	91.4	92.3	93.5	93.8	93.8	94.1	94.4	94.4	94.4	94.4	94.6	94.6
IV 300	79.8	85.4	88.4	89.8	92.2	93.2	94.4	95.0	95.0	95.3	95.9	95.9	95.9	95.9	96.1	96.1
IV 200	79.8	85.6	88.6	89.9	92.3	93.4	94.6	95.5	95.6	96.1	97.1	97.1	97.1	97.1	97.7	97.9
IV 100	80.0	85.7	88.7	90.1	92.5	93.5	94.7	95.6	95.8	96.2	97.3	97.3	97.4	97.4	98.0	98.3
IV 0	80.0	85.7	88.7	90.1	92.5	93.5	94.7	95.6	95.8	96.2	97.3	97.3	97.7	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	32.1	32.8	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.4	33.4	33.4	33.5	33.5	33.5	33.5
≥ 20000	33.6	34.2	34.5	34.5	34.7	34.7	34.8	34.8	34.8	34.9	34.9	34.9	35.0	35.0	35.0	35.0
≥ 18000	34.8	35.5	35.8	35.9	36.0	36.0	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3
≥ 16000	35.0	35.7	35.9	36.1	36.2	36.2	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5
≥ 14000	35.2	35.8	36.1	36.2	36.4	36.4	36.4	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.7	36.7
≥ 12000	35.6	36.3	36.5	36.7	36.8	36.8	36.9	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1
≥ 10000	36.4	37.2	37.4	37.5	37.7	37.8	37.8	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.1	38.1
≥ 9000	37.5	38.3	38.5	38.6	38.8	38.8	38.9	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1
≥ 8000	40.5	41.5	41.8	41.9	42.2	42.2	42.3	42.3	42.3	42.4	42.4	42.4	42.5	42.5	42.5	42.5
≥ 7000	43.1	44.1	44.5	44.7	44.9	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.4	45.4
≥ 6000	44.5	45.6	46.0	46.2	46.5	46.5	46.5	46.6	46.6	46.7	46.7	46.7	46.8	46.8	46.9	46.9
≥ 5000	46.1	47.2	47.6	47.8	48.1	48.2	48.3	48.4	48.4	48.4	48.5	48.5	48.6	48.6	48.7	48.7
≥ 4500	47.0	48.0	48.5	48.7	49.0	49.1	49.2	49.3	49.3	49.3	49.4	49.4	49.5	49.5	49.5	49.5
≥ 4000	49.5	50.7	51.2	51.4	51.8	51.9	52.0	52.1	52.1	52.2	52.3	52.3	52.4	52.4	52.5	52.5
≥ 3500	52.4	53.8	54.4	54.6	55.1	55.2	55.3	55.4	55.4	55.5	55.6	55.6	55.7	55.7	55.8	55.8
≥ 3000	54.5	56.0	56.7	56.9	57.4	57.6	57.7	57.8	57.8	57.9	58.1	58.1	58.2	58.2	58.3	58.3
≥ 2500	57.1	58.7	59.4	59.7	60.2	60.4	60.5	60.6	60.6	60.7	60.9	60.9	61.0	61.0	61.1	61.1
≥ 2000	59.5	61.4	62.2	62.6	63.2	63.4	63.6	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.2	64.2
≥ 1800	60.6	62.6	63.4	63.8	64.4	64.6	64.8	65.0	65.0	65.1	65.2	65.2	65.3	65.3	65.5	65.5
≥ 1500	65.7	68.1	69.0	69.5	70.2	70.5	70.7	71.0	71.0	71.2	71.3	71.4	71.4	71.5	71.6	71.6
≥ 1200	70.6	73.5	74.8	75.3	76.3	76.6	76.9	77.2	77.3	77.5	77.6	77.7	77.7	77.8	77.9	77.9
≥ 1000	73.0	76.5	78.1	78.7	79.9	80.3	80.7	81.1	81.1	81.4	81.6	81.6	81.7	81.7	81.9	81.9
≥ 900	74.1	77.8	79.5	80.1	81.4	81.9	82.4	82.7	82.8	83.1	83.2	83.3	83.4	83.4	83.5	83.5
≥ 800	74.9	78.7	80.4	81.1	82.5	83.0	83.5	83.9	84.0	84.3	84.5	84.5	84.6	84.6	84.7	84.8
≥ 700	75.5	79.5	81.3	82.1	83.5	84.0	84.6	85.0	85.1	85.5	85.6	85.7	85.8	85.8	85.9	85.9
≥ 600	76.2	80.5	82.4	83.2	84.7	85.3	86.1	86.5	86.6	87.0	87.2	87.3	87.4	87.4	87.5	87.6
≥ 500	77.3	82.4	84.6	85.5	87.3	87.9	88.9	89.5	89.7	90.2	90.5	90.6	90.7	90.7	90.8	90.9
≥ 400	78.4	84.1	86.4	87.5	89.4	90.1	91.2	92.2	92.4	93.2	93.8	93.9	94.1	94.1	94.2	94.3
≥ 300	78.6	84.6	87.0	88.2	90.4	91.2	92.5	93.5	93.7	94.7	95.4	95.4	95.7	95.7	95.9	96.0
≥ 200	78.7	84.8	87.2	88.4	90.9	91.7	93.0	94.2	94.5	95.5	96.7	96.7	97.1	97.2	97.6	97.7
≥ 100	78.8	84.9	87.4	88.6	91.2	92.0	93.4	94.6	94.9	96.1	97.5	97.6	98.2	98.4	99.0	99.2
≥ 0	78.8	84.9	87.4	88.6	91.2	92.0	93.4	94.6	94.9	96.1	97.6	97.6	98.4	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6187

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120

CAPE ROMANZOF AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	18.0	19.0	19.2	19.2	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
≥ 20000	18.3	19.2	19.5	19.5	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
≥ 18000	19.0	19.9	20.2	20.2	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
≥ 16000	19.2	20.2	20.5	20.5	20.6	20.6	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 14000	19.2	20.2	20.5	20.5	20.6	20.6	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 12000	19.8	20.8	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 10000	20.5	21.5	21.8	21.8	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 9000	21.6	22.6	22.9	22.9	23.0	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 8000	23.4	24.4	24.7	24.7	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 7000	25.9	26.9	27.2	27.2	27.3	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.6	27.6	27.6
≥ 6000	26.5	27.5	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.0	28.0	28.0	28.2	28.2	28.2	28.2
≥ 5000	27.2	28.3	29.0	29.0	29.1	29.1	29.1	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4
≥ 4500	27.3	28.5	29.1	29.1	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.6	29.6	29.6	29.6
≥ 4000	29.7	31.0	31.9	31.9	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.4	32.4	32.4	32.4
≥ 3500	32.1	33.3	34.3	34.3	34.4	34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.9	34.9	34.9	35.0
≥ 3000	33.8	35.0	36.0	36.0	36.1	36.1	36.1	36.3	36.3	36.3	36.3	36.3	36.5	36.5	36.5	36.7
≥ 2500	37.8	39.5	40.6	40.6	40.7	40.7	40.7	40.9	40.9	40.9	40.9	40.9	41.1	41.1	41.1	41.3
≥ 2000	40.0	42.7	43.8	43.8	43.9	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.4	44.4	44.4	44.5
≥ 1800	40.9	43.7	44.8	45.0	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.6	45.6	45.6	45.7
≥ 1500	45.3	48.1	49.4	49.8	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.5	50.6
≥ 1200	50.1	53.0	54.8	55.2	55.8	55.8	55.8	55.9	55.9	55.9	56.1	56.1	56.6	56.6	56.6	56.8
≥ 1000	52.3	56.2	58.0	58.6	59.7	59.7	59.7	59.8	59.8	59.8	60.0	60.0	60.5	60.5	60.5	60.7
≥ 900	54.1	58.0	60.1	60.8	61.9	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.9	62.9	62.9	63.0
≥ 800	55.0	59.4	61.6	62.5	63.6	63.6	63.6	63.7	63.7	63.7	64.0	64.0	64.9	64.9	64.9	65.0
≥ 700	55.8	60.8	63.0	63.9	65.0	65.0	65.0	65.1	65.1	65.1	65.4	65.4	66.2	66.2	66.2	66.4
≥ 600	58.3	64.2	66.7	67.8	68.9	68.9	68.9	69.0	69.0	69.0	69.5	69.7	70.6	70.6	70.6	70.7
≥ 500	58.9	65.3	68.2	69.5	71.1	71.1	71.1	71.8	72.0	72.0	72.5	72.8	73.9	73.9	74.2	74.3
≥ 400	61.9	70.0	73.4	75.3	77.5	78.1	78.8	79.4	79.5	80.1	80.8	80.8	82.0	82.0	82.3	82.4
≥ 300	62.3	71.1	74.6	76.8	79.8	80.5	81.6	82.1	82.3	82.8	83.8	83.8	85.2	85.2	85.8	85.9
≥ 200	62.6	71.5	75.3	77.8	81.0	81.9	83.3	84.4	84.8	85.5	87.7	87.9	89.5	89.5	90.1	90.4
≥ 100	62.6	72.4	76.3	78.8	82.1	83.1	84.8	86.3	86.9	88.0	90.9	91.1	93.6	93.6	94.6	95.8
≥ 0	62.6	72.4	76.3	78.8	82.1	83.1	84.8	86.3	86.9	88.3	91.4	91.5	94.6	94.6	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 717

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	18.7	19.7	19.7	19.7	19.8	19.8	19.8	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
≥ 20000	19.7	20.7	20.7	20.7	20.8	20.8	20.8	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 18000	20.5	21.5	21.5	21.5	21.6	21.6	21.6	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 16000	20.5	21.5	21.5	21.5	21.6	21.6	21.6	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 14000	20.5	21.5	21.5	21.5	21.6	21.6	21.6	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 12000	20.5	21.5	21.5	21.5	21.6	21.6	21.6	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 10000	21.1	22.2	22.2	22.2	22.3	22.3	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
IV 9000	22.3	23.4	23.4	23.4	23.5	23.5	23.5	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
IV 8000	23.5	24.6	24.6	24.6	24.8	24.8	24.8	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
IV 7000	25.9	27.0	27.0	27.0	27.4	27.4	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 6000	26.7	27.8	27.8	27.8	28.2	28.2	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 5000	28.2	29.2	29.5	29.5	29.9	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 4500	29.1	30.4	30.7	30.7	31.1	31.1	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
IV 4000	30.8	32.4	32.7	32.7	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 3500	32.1	33.9	34.1	34.3	34.7	34.7	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.3
IV 3000	35.5	37.3	37.6	37.7	38.1	38.1	38.1	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.9
IV 2500	39.3	41.8	42.1	42.2	42.6	42.8	42.8	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.7
IV 2000	41.8	44.8	45.0	45.2	45.6	45.7	45.7	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.6
IV 1800	42.1	45.2	45.4	45.6	45.9	46.1	46.1	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	47.0
IV 1500	44.5	47.5	48.3	48.5	49.0	49.1	49.3	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	50.2
IV 1200	48.6	52.3	53.3	53.4	53.9	54.1	54.2	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	55.1
IV 1000	51.8	56.7	57.8	57.9	58.6	58.8	59.0	59.2	59.2	59.5	59.5	59.5	59.5	59.6	59.6	60.0
IV 900	52.9	58.0	59.2	59.4	60.0	60.3	60.4	60.7	60.7	61.0	61.1	61.1	61.4	61.4	61.4	61.8
IV 800	53.9	59.4	60.6	60.7	61.4	61.8	62.0	62.3	62.3	62.5	62.7	62.7	63.2	63.2	63.3	63.9
IV 700	54.7	61.0	62.5	62.9	64.0	64.4	64.8	65.1	65.1	65.3	65.5	65.5	66.0	66.0	66.1	66.7
IV 600	56.3	63.3	65.1	65.5	66.8	67.2	67.6	67.9	67.9	68.3	68.4	68.4	68.9	68.9	69.1	69.6
IV 500	56.8	64.9	66.9	67.7	69.9	70.4	71.0	71.3	71.3	71.8	72.0	72.0	72.5	72.5	72.6	73.2
IV 400	58.7	67.7	71.0	72.1	74.2	75.0	76.0	76.2	76.4	77.0	77.7	77.7	78.4	78.4	78.5	79.2
IV 300	59.2	69.2	73.0	75.0	77.4	78.4	79.3	79.5	79.7	80.5	81.7	81.7	82.6	82.6	82.7	83.4
IV 200	59.5	69.9	74.2	76.4	78.8	79.8	81.3	81.7	81.8	83.5	85.4	85.4	87.3	87.3	87.5	88.3
IV 100	59.9	70.7	75.4	77.6	80.5	81.7	83.7	84.1	84.6	86.7	90.4	90.4	93.5	93.6	94.4	95.8
IV 0	59.9	70.7	75.4	77.6	80.5	81.7	83.7	84.1	84.6	86.7	91.1	91.1	94.3	94.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 753



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	17.5	18.3	18.3	18.3	18.4	18.4	18.4	18.5	18.5	18.7	18.8	18.8	18.9	18.9	18.9	18.9
≥ 20000	18.4	19.2	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.6	19.7	19.7	19.8	19.8	19.8	19.8
≥ 18000	18.7	19.4	19.4	19.4	19.6	19.6	19.6	19.7	19.7	19.8	19.9	19.9	20.1	20.1	20.1	20.1
≥ 16000	18.8	19.6	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.9	20.1	20.1	20.2	20.2	20.2	20.2
≥ 14000	18.8	19.6	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.9	20.1	20.1	20.2	20.2	20.2	20.2
≥ 12000	18.9	19.7	19.7	19.7	19.8	19.8	19.8	19.9	19.9	20.1	20.2	20.2	20.3	20.3	20.3	20.3
≥ 10000	19.4	20.3	20.3	20.3	20.5	20.5	20.5	20.6	20.6	20.7	20.8	20.8	21.0	21.0	21.0	21.0
≥ 9000	20.7	21.6	21.6	21.6	21.7	21.7	21.7	21.9	21.9	22.0	22.1	22.1	22.3	22.3	22.3	22.3
≥ 8000	23.7	24.7	24.7	24.7	24.8	24.8	24.8	24.9	24.9	25.1	25.3	25.3	25.4	25.4	25.4	25.4
≥ 7000	26.2	27.2	27.2	27.2	27.4	27.4	27.4	27.5	27.5	27.6	27.9	27.9	28.0	28.0	28.0	28.0
≥ 6000	26.6	27.6	27.6	27.6	27.7	27.7	27.7	27.9	27.9	28.0	28.3	28.3	28.4	28.4	28.4	28.4
≥ 5000	27.9	29.2	29.2	29.2	29.3	29.3	29.3	29.4	29.4	29.5	29.8	29.8	30.1	30.1	30.1	30.1
≥ 4500	28.3	29.8	29.8	29.8	29.9	29.9	29.9	30.1	30.1	30.2	30.4	30.4	30.7	30.7	30.7	30.7
≥ 4000	29.9	31.5	31.6	31.6	31.7	31.7	31.7	31.8	31.8	32.0	32.2	32.2	32.5	32.5	32.5	32.5
≥ 3500	31.6	33.1	33.4	33.6	33.9	33.9	33.9	34.0	34.0	34.1	34.4	34.4	34.7	34.7	34.9	35.0
≥ 3000	33.5	35.3	35.5	35.8	36.1	36.1	36.1	36.2	36.2	36.3	36.6	36.6	36.8	36.8	37.1	37.2
≥ 2500	37.7	39.8	40.0	40.3	40.7	40.7	40.7	40.8	40.9	41.0	41.3	41.3	41.6	41.6	41.8	41.9
≥ 2000	40.7	43.0	43.4	43.6	44.0	44.0	44.0	44.1	44.2	44.4	44.6	44.6	45.0	45.0	45.3	45.4
≥ 1800	41.0	43.5	43.9	44.1	44.5	44.5	44.5	44.6	44.8	44.9	45.1	45.1	45.5	45.5	45.8	45.9
≥ 1500	43.4	46.0	46.4	46.7	47.1	47.1	47.1	47.2	47.3	47.4	47.7	47.7	48.1	48.1	48.3	48.5
≥ 1200	48.1	50.8	51.4	51.8	52.4	52.6	52.6	52.7	52.8	52.9	53.3	53.3	53.7	53.7	54.0	54.1
≥ 1000	51.7	54.3	55.0	55.4	56.0	56.1	56.1	56.3	56.4	56.5	57.0	57.0	57.4	57.4	57.7	57.8
≥ 900	52.8	55.8	56.4	56.8	57.4	57.5	57.6	57.9	58.1	58.2	58.7	58.7	59.1	59.1	59.6	60.0
≥ 800	54.0	56.9	57.7	58.2	58.8	59.0	59.3	59.5	59.7	59.8	60.4	60.4	60.7	60.7	61.3	61.6
≥ 700	55.1	58.3	59.1	59.6	60.2	60.4	60.7	60.9	61.1	61.3	61.9	61.9	62.4	62.4	62.9	63.3
≥ 600	57.7	61.1	61.9	62.8	63.4	63.6	64.2	64.3	64.7	64.8	65.5	65.5	66.1	66.1	66.6	67.0
≥ 500	59.2	63.2	64.2	65.1	66.0	66.1	67.1	67.6	68.2	68.7	69.3	69.3	69.9	69.9	70.5	70.8
≥ 400	63.3	68.5	70.1	71.2	72.4	72.6	74.6	75.3	75.8	76.6	78.1	78.1	78.9	78.9	79.4	79.9
≥ 300	65.9	71.6	73.7	75.3	77.1	77.4	79.4	80.4	81.1	81.8	84.1	84.1	85.0	85.0	85.5	86.3
≥ 200	66.0	72.4	74.8	76.7	78.6	78.9	81.1	82.2	83.1	84.3	87.9	87.9	89.0	89.1	89.6	90.5
≥ 100	66.1	73.0	75.8	77.7	80.1	80.7	83.4	84.5	85.4	86.8	91.7	91.7	93.9	94.2	95.0	96.8
≥ 0	66.1	73.0	75.8	77.7	80.1	80.7	83.4	84.5	85.4	86.8	92.1	92.1	94.4	95.1	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 782

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

732120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	17.8	18.4	18.8	19.0	19.5	19.5	19.5	19.5	19.5	19.7	20.1	20.1	20.2	20.2	20.7	20.2
≥ 20000	19.2	19.8	20.2	20.4	20.9	20.9	20.9	20.9	20.9	21.1	21.4	21.4	21.6	21.6	21.6	21.6
≥ 18000	19.4	20.1	20.4	20.7	21.2	21.2	21.2	21.2	21.2	21.4	21.8	21.8	22.0	22.0	22.0	22.0
≥ 16000	19.4	20.1	20.4	20.7	21.2	21.2	21.2	21.2	21.2	21.4	21.8	21.8	22.0	22.0	22.0	22.0
≥ 14000	19.4	20.1	20.4	20.7	21.2	21.2	21.2	21.2	21.2	21.4	21.8	21.8	22.0	22.0	22.0	22.0
≥ 12000	19.7	20.3	20.7	20.9	21.4	21.4	21.4	21.4	21.4	21.7	22.1	22.1	22.2	22.2	22.2	22.2
≥ 10000	19.7	20.6	20.9	21.2	21.7	21.7	21.7	21.7	21.7	22.0	22.3	22.3	22.5	22.5	22.5	22.5
≥ 9000	20.1	20.9	21.3	21.6	22.1	22.1	22.1	22.1	22.1	22.3	22.7	22.7	22.8	22.8	22.8	22.8
≥ 8000	22.1	23.0	23.5	23.7	24.2	24.2	24.2	24.2	24.2	24.5	24.9	24.9	25.0	25.0	25.0	25.0
≥ 7000	24.7	25.8	26.3	26.5	27.0	27.0	27.0	27.0	27.0	27.3	27.7	27.7	27.8	27.8	27.8	27.8
≥ 6000	26.0	27.0	27.5	27.8	28.3	28.3	28.3	28.3	28.3	28.6	28.9	28.9	29.1	29.1	29.1	29.1
≥ 5000	26.5	27.5	28.0	28.3	28.8	28.8	28.8	28.8	28.8	29.1	29.4	29.4	29.6	29.6	29.6	29.6
≥ 4500	26.5	27.5	28.0	28.3	28.8	28.8	28.8	28.8	28.8	29.1	29.4	29.4	29.6	29.6	29.6	29.6
≥ 4000	29.6	30.8	31.5	31.7	32.2	32.2	32.2	32.2	32.2	32.5	32.9	32.9	33.0	33.0	33.0	33.0
≥ 3500	31.5	32.9	33.5	33.8	34.3	34.3	34.3	34.3	34.3	34.5	34.9	34.9	35.0	35.0	35.0	35.0
≥ 3000	32.4	34.0	34.6	35.0	35.8	35.8	35.8	35.8	35.8	36.0	36.4	36.4	36.5	36.5	36.5	36.5
≥ 2500	35.7	37.3	37.9	38.3	39.1	39.1	39.1	39.1	39.1	39.3	39.7	39.7	39.8	39.8	39.8	39.8
≥ 2000	37.9	39.8	40.9	41.4	42.1	42.1	42.1	42.1	42.1	42.4	42.8	42.8	42.9	42.9	42.9	42.9
≥ 1800	38.8	40.9	41.9	42.4	43.1	43.1	43.1	43.1	43.1	43.4	43.8	43.8	43.9	43.9	43.9	43.9
≥ 1500	43.0	45.7	46.8	47.5	48.2	48.2	48.2	48.2	48.2	48.5	48.9	48.9	49.1	49.1	49.1	49.1
≥ 1200	49.2	52.7	54.1	54.9	56.1	56.2	56.6	56.6	56.6	57.1	57.5	57.5	57.6	57.6	57.6	57.6
≥ 1000	51.8	56.1	57.5	58.6	59.9	60.0	60.5	60.5	60.5	61.0	61.4	61.4	61.5	61.5	61.5	61.5
≥ 900	52.4	57.2	58.6	59.8	61.0	61.3	61.8	61.9	61.9	62.4	62.8	62.8	62.9	62.9	62.9	63.1
≥ 800	54.1	59.3	60.7	61.8	63.1	63.3	63.8	64.1	64.1	64.6	65.0	65.0	65.1	65.1	65.1	65.2
≥ 700	55.3	60.7	62.1	63.3	64.6	64.8	65.4	65.6	65.7	66.2	66.6	66.6	66.9	66.9	66.9	67.0
≥ 600	57.6	64.1	66.2	67.5	68.9	69.3	69.9	70.2	70.4	70.9	71.3	71.3	71.6	71.6	71.6	72.0
≥ 500	59.9	66.9	69.4	70.8	72.3	72.8	73.9	74.2	74.6	75.1	75.6	75.6	76.0	76.0	76.3	76.4
≥ 400	62.4	69.9	73.6	75.0	76.8	77.4	78.9	79.4	79.8	80.5	81.1	81.1	81.5	81.5	81.7	81.9
≥ 300	64.1	72.8	77.0	78.6	80.3	81.1	83.1	83.8	84.3	85.0	86.4	86.4	86.9	86.9	87.3	87.4
≥ 200	65.1	74.9	79.7	81.6	84.3	85.3	87.3	88.5	89.2	90.4	92.1	92.1	92.8	92.8	93.3	93.4
≥ 100	65.1	75.5	80.5	82.4	85.7	86.7	89.1	91.0	91.8	93.4	96.4	96.4	97.3	97.3	98.1	98.7
≥ 0	65.1	75.5	80.5	82.4	85.7	86.7	89.1	91.0	91.8	93.4	97.0	97.0	97.8	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120

CAPE ROMANZOF AFS AK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	17.5	18.1	18.6	18.6	18.8	18.9	18.9	19.0	19.0	19.0	19.5	19.5	19.5	19.5	19.5	19.5
≥ 20000	18.4	19.3	19.8	19.8	19.9	20.1	20.1	20.2	20.2	20.2	20.7	20.7	20.7	20.7	20.7	20.7
≥ 18000	19.3	20.2	20.7	20.7	20.8	21.0	21.0	21.1	21.1	21.1	21.6	21.6	21.6	21.6	21.6	21.6
≥ 16000	19.4	20.3	20.8	20.8	21.0	21.1	21.1	21.2	21.2	21.2	21.7	21.7	21.7	21.7	21.7	21.7
≥ 14000	19.5	20.6	21.1	21.1	21.2	21.3	21.3	21.6	21.6	21.6	22.1	22.1	22.1	22.1	22.1	22.1
≥ 12000	20.1	21.1	21.6	21.6	21.7	21.9	21.9	22.3	22.3	22.3	22.8	22.8	22.8	22.8	22.8	22.8
≥ 10000	20.6	21.6	22.1	22.1	22.3	22.5	22.5	22.9	22.9	22.9	23.4	23.4	23.4	23.4	23.4	23.4
≥ 9000	21.2	22.3	22.8	22.8	22.9	23.2	23.2	23.5	23.5	23.5	24.1	24.1	24.1	24.1	24.1	24.1
≥ 8000	22.6	23.8	24.5	24.5	24.6	24.8	24.8	25.2	25.2	25.2	25.7	25.7	25.7	25.7	25.7	25.7
≥ 7000	24.5	25.6	26.3	26.3	26.4	26.6	26.6	27.0	27.0	27.2	27.7	27.7	27.7	27.7	27.7	27.7
≥ 6000	25.2	26.4	27.0	27.0	27.2	27.4	27.4	27.8	27.8	27.9	28.5	28.5	28.5	28.5	28.5	28.5
≥ 5000	25.9	27.2	27.9	28.1	28.5	28.7	28.7	29.1	29.1	29.2	29.8	29.8	29.8	29.8	29.8	29.8
≥ 4500	27.0	28.5	29.2	29.4	29.8	30.0	30.0	30.4	30.4	30.5	31.0	31.0	31.0	31.0	31.0	31.0
≥ 4000	29.0	30.4	31.2	31.3	31.7	32.0	32.0	32.3	32.3	32.5	33.0	33.0	33.0	33.0	33.0	33.0
≥ 3500	30.9	32.5	33.5	33.6	34.2	34.5	34.5	34.9	34.9	35.1	35.6	35.6	35.6	35.6	35.6	35.6
≥ 3000	31.6	33.1	34.2	34.4	34.9	35.3	35.3	35.7	35.7	35.8	36.4	36.4	36.4	36.4	36.4	36.4
≥ 2500	35.5	38.4	39.5	39.7	40.4	40.8	40.8	41.1	41.1	41.3	41.8	41.8	41.8	41.8	41.8	41.8
≥ 2000	39.3	41.3	42.3	42.6	43.2	43.6	43.6	44.0	44.0	44.1	44.6	44.6	44.6	44.6	44.6	44.6
≥ 1800	40.9	43.1	44.2	44.5	45.1	45.5	45.5	46.1	46.1	46.2	46.7	46.7	46.7	46.7	46.7	46.7
≥ 1500	47.9	50.3	51.5	51.9	52.7	53.0	53.2	53.8	53.8	53.9	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1200	53.4	56.8	58.0	58.5	59.5	60.4	60.7	61.4	61.4	61.6	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1000	55.6	59.1	60.5	61.3	62.7	63.6	63.9	64.8	64.8	64.9	65.5	65.5	65.5	65.5	65.5	65.5
≥ 900	58.3	62.1	63.5	64.3	65.7	66.9	67.1	68.0	68.0	68.2	68.7	68.7	68.7	68.7	68.7	68.7
≥ 800	59.0	62.7	64.2	64.9	66.4	67.5	67.8	68.7	68.8	69.0	69.6	69.6	69.6	69.6	69.6	69.6
≥ 700	60.2	64.2	65.7	66.5	67.9	69.1	69.5	70.4	70.5	70.6	71.3	71.3	71.3	71.3	71.3	71.3
≥ 600	60.9	66.0	67.8	68.6	70.0	71.2	71.5	72.6	72.7	72.8	73.5	73.5	73.5	73.5	73.7	73.7
≥ 500	64.0	69.5	71.3	72.1	73.5	74.8	75.8	76.8	77.0	77.2	78.0	78.0	78.0	78.0	78.3	78.4
≥ 400	67.1	73.9	76.6	77.6	79.6	81.1	82.5	84.0	84.2	84.5	85.6	85.6	85.6	85.6	85.9	86.0
≥ 300	70.1	78.8	82.0	83.3	85.3	86.8	88.2	89.7	90.2	90.4	91.6	91.6	91.6	91.6	92.0	92.1
≥ 200	71.2	80.5	84.0	85.5	88.4	89.9	91.3	93.0	93.5	94.0	95.3	95.3	95.3	95.3	95.7	95.9
≥ 100	71.2	80.6	84.2	86.2	89.1	90.8	92.5	95.0	95.7	96.8	98.3	98.3	98.6	98.6	99.0	99.5
≥ 50	71.2	80.6	84.2	86.2	89.1	90.8	92.5	95.0	95.7	96.8	98.4	98.4	98.8	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 773

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1530-1730  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	17.9	19.1	19.1	19.1	19.1	19.4	19.4	19.4	19.4	19.7	19.9	19.9	19.9	19.9	19.9	19.9
≥ 20000	18.8	19.9	19.9	19.9	19.9	20.2	20.2	20.2	20.2	20.5	20.7	20.7	20.7	20.7	20.7	20.7
≥ 18000	19.2	20.4	20.4	20.4	20.4	20.7	20.7	20.7	20.7	21.0	21.2	21.2	21.2	21.2	21.2	21.2
≥ 16000	19.4	20.5	20.5	20.5	20.5	20.8	20.8	20.8	20.8	21.2	21.3	21.3	21.3	21.3	21.3	21.3
≥ 14000	19.4	20.7	20.7	20.7	20.7	21.0	21.0	21.0	21.0	21.3	21.5	21.5	21.5	21.5	21.5	21.5
≥ 12000	19.6	20.8	20.8	20.8	20.8	21.2	21.2	21.2	21.2	21.5	21.6	21.6	21.6	21.6	21.6	21.6
≥ 10000	20.0	21.5	21.5	21.5	21.5	21.8	21.8	21.8	21.8	22.1	22.3	22.3	22.3	22.3	22.3	22.3
≥ 9000	20.7	22.1	22.1	22.1	22.1	22.4	22.4	22.4	22.4	22.8	22.9	22.9	22.9	22.9	22.9	22.9
≥ 8000	22.3	23.7	24.0	24.0	24.0	24.4	24.4	24.4	24.4	24.7	24.8	24.8	24.8	24.8	24.8	24.8
≥ 7000	25.0	26.4	26.6	26.6	26.9	27.2	27.2	27.2	27.2	27.6	27.7	27.7	27.7	27.7	27.7	27.7
≥ 6000	25.8	27.2	27.6	27.6	27.7	28.0	28.0	28.0	28.0	28.4	28.5	28.5	28.5	28.5	28.5	28.5
≥ 5000	26.3	27.7	28.0	28.0	28.2	28.5	28.5	28.5	28.5	28.8	29.0	29.0	29.0	29.0	29.0	29.0
≥ 4500	27.4	28.8	29.2	29.2	29.3	29.6	29.6	29.6	29.6	30.0	30.1	30.1	30.1	30.1	30.1	30.1
≥ 4000	29.3	30.8	31.1	31.1	31.3	31.6	31.6	31.6	31.6	31.9	32.1	32.1	32.1	32.1	32.1	32.1
≥ 3500	31.7	33.3	33.7	33.7	34.1	34.5	34.5	34.5	34.5	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥ 3000	32.4	34.0	34.3	34.3	34.8	35.1	35.1	35.1	35.1	35.4	35.6	35.6	35.6	35.6	35.6	35.6
≥ 2500	36.2	38.0	38.3	38.3	38.8	39.3	39.4	39.4	39.4	39.7	39.9	39.9	39.9	39.9	39.9	39.9
≥ 2000	40.2	42.0	42.3	42.3	42.8	43.3	43.4	43.4	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9
≥ 1800	41.2	43.1	43.4	43.6	44.1	44.6	44.7	44.7	44.7	45.0	45.2	45.2	45.2	45.2	45.2	45.2
≥ 1500	46.8	49.0	49.4	49.5	50.2	50.6	50.8	50.8	50.8	51.1	51.3	51.3	51.3	51.3	51.3	51.4
≥ 1200	53.4	56.1	56.9	57.1	58.0	58.5	58.7	58.8	58.8	59.1	59.3	59.3	59.3	59.3	59.3	59.5
≥ 1000	55.6	58.7	59.8	60.3	61.2	62.0	62.2	62.3	62.3	63.1	63.3	63.3	63.3	63.3	63.3	63.5
≥ 900	58.5	61.7	63.0	63.5	64.6	65.5	65.7	65.9	65.9	66.8	67.1	67.1	67.1	67.1	67.1	67.3
≥ 800	59.0	62.5	63.9	64.4	65.5	66.5	66.7	67.0	67.0	68.1	68.4	68.4	68.6	68.6	68.6	68.8
≥ 700	60.4	64.1	65.5	66.0	67.1	68.1	68.3	68.6	68.6	69.7	70.0	70.0	70.2	70.2	70.2	70.4
≥ 600	62.3	66.8	68.3	68.8	70.2	71.2	71.6	72.0	72.0	73.2	73.6	73.6	73.7	73.7	73.7	73.9
≥ 500	65.1	70.8	72.4	72.9	74.5	75.5	76.0	76.3	76.3	78.0	78.4	78.4	78.5	78.5	78.5	78.7
≥ 400	67.8	75.6	77.4	78.2	80.0	81.1	81.7	82.1	82.2	84.1	84.9	84.9	85.1	85.1	85.1	85.3
≥ 300	69.2	79.2	81.6	82.5	84.9	86.1	87.0	87.5	88.0	89.9	90.9	90.9	91.0	91.0	91.0	91.2
≥ 200	70.4	81.4	84.3	85.3	87.8	88.9	89.9	90.7	91.2	93.4	94.7	94.7	94.9	94.9	95.2	95.4
≥ 100	70.4	81.6	84.9	85.9	89.7	90.9	92.1	93.1	93.8	96.5	98.9	98.9	99.2	99.2	99.7	99.8
≥ 0	70.4	81.6	84.9	85.9	89.7	90.9	92.1	93.1	93.8	96.5	98.9	98.9	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 624

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 212D CAPE ROMANZOF AFS AK

73-74,76-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	13.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥18000	15.2	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
≥16000	15.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥14000	16.2	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥12000	16.2	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥10000	16.2	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥8000	17.0	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
≥6000	21.6	23.0	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.5	23.5	23.5	23.5
≥4000	21.6	23.0	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.5	23.5	23.5	23.5
≥2000	22.3	23.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.2
≥1000	23.0	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.2	25.2	25.2	25.2	25.2	25.2
≥500	24.5	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.6	26.6	26.6	26.6	26.6	26.6
≥250	29.2	30.6	30.9	30.9	30.9	30.9	30.9	31.1	31.1	31.1	31.4	31.4	31.4	31.4	31.4	31.4
≥100	30.6	32.1	32.3	32.3	32.3	32.3	32.3	32.5	32.5	32.5	32.8	32.8	32.8	32.8	32.8	32.8
≥50	32.8	34.4	34.7	34.7	34.7	34.7	34.7	34.9	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4
≥25	35.6	37.3	37.8	37.8	37.8	37.8	37.8	38.0	38.2	38.5	38.7	38.7	38.7	38.7	38.7	38.7
≥10	37.3	39.2	39.7	39.7	39.7	39.7	39.7	40.1	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6
≥5	40.9	42.8	43.5	43.5	43.5	43.5	43.5	43.9	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4
≥2	46.3	48.9	49.9	50.1	50.6	50.6	50.6	51.1	51.3	51.8	52.5	52.5	52.5	52.5	52.7	52.7
≥1	47.4	53.0	53.9	54.2	55.3	55.6	56.1	56.3	56.8	57.7	57.7	57.7	57.7	57.7	58.0	58.0
≥0.5	50.6	54.2	55.1	55.3	56.5	56.8	57.2	57.5	58.0	58.9	58.9	58.9	58.9	58.9	59.1	59.1
≥0.25	51.3	55.1	56.1	56.3	57.5	57.7	58.2	58.4	58.9	59.9	59.9	59.9	59.9	59.9	60.1	60.1
≥0.1	52.7	57.2	58.4	59.1	60.3	60.6	61.0	61.3	61.8	62.7	62.7	62.7	62.7	62.7	62.9	62.9
≥0.05	55.8	61.0	62.2	62.9	64.1	64.8	65.3	65.6	66.0	67.0	67.0	67.0	67.0	67.0	67.2	67.2
≥0.025	59.4	64.1	65.3	66.5	67.9	68.6	69.1	69.4	69.8	71.5	71.5	71.5	71.5	71.5	71.7	71.7
≥0.01	61.3	69.6	71.3	73.2	74.8	75.5	76.0	76.2	76.7	78.4	79.1	79.1	79.1	79.1	79.3	79.3
≥0.005	63.2	74.3	76.7	79.3	81.7	82.7	83.1	83.4	83.8	85.5	86.2	86.2	86.2	86.2	86.5	86.5
≥0.0025	63.7	74.8	77.7	81.0	84.3	85.7	87.2	87.6	88.4	90.3	92.2	92.2	92.2	92.2	92.4	92.4
≥0.001	63.7	74.8	77.7	81.0	84.8	86.2	88.1	88.8	89.5	91.7	96.0	96.2	96.4	96.7	96.9	97.6
≥0.0005	63.7	74.8	77.7	81.0	84.8	86.2	88.1	88.8	89.5	91.7	96.4	96.7	97.4	98.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 421

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEAR

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2100  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	16.1	16.4	16.6	17.2	17.2	17.2	17.2	17.5	17.5	17.5	17.7	17.7	17.9	17.9	18.1	18.1
20000	18.6	19.3	19.2	19.7	19.7	19.7	19.7	20.1	20.1	20.1	20.3	20.3	20.4	20.4	20.5	20.6
18000	19.0	19.3	19.5	20.1	20.1	20.1	20.1	20.4	20.4	20.4	20.6	20.6	20.8	20.8	21.0	21.0
16000	19.7	20.1	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2	21.4	21.4	21.5	21.5	21.7	21.7
14000	19.7	20.1	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2	21.4	21.4	21.5	21.5	21.7	21.7
12000	19.9	20.3	20.4	21.0	21.0	21.0	21.0	21.4	21.4	21.4	21.5	21.5	21.7	21.7	21.9	21.9
10000	20.6	21.0	21.2	21.7	21.7	21.7	21.7	22.1	22.1	22.1	22.3	22.3	22.4	22.4	22.6	22.6
8000	21.2	21.5	21.7	22.3	22.3	22.3	22.3	22.6	22.6	22.6	22.8	22.8	23.0	23.0	23.2	23.2
6000	23.7	24.3	24.6	25.2	25.2	25.2	25.2	25.5	25.5	25.5	25.7	25.7	25.9	25.9	26.1	26.1
4000	26.3	26.8	27.2	27.7	27.7	27.7	27.7	28.1	28.1	28.1	28.3	28.3	28.6	28.6	28.8	28.8
2000	26.8	27.4	27.7	28.3	28.3	28.3	28.3	28.6	28.6	28.6	28.8	28.8	29.2	29.2	29.4	29.4
1000	27.4	27.9	28.3	29.0	29.2	29.2	29.2	29.6	29.6	29.6	29.7	29.7	30.1	30.1	30.3	30.3
500	27.9	28.5	28.8	29.6	29.7	29.7	29.7	30.1	30.1	30.1	30.3	30.3	30.7	30.7	30.9	30.9
200	29.9	30.5	30.8	31.6	31.8	31.8	31.8	32.1	32.1	32.1	32.3	32.3	32.7	32.7	32.8	32.8
100	32.3	32.8	33.2	33.9	34.3	34.3	34.3	34.7	34.7	34.7	34.9	34.9	35.2	35.2	35.4	35.4
50	33.6	34.1	34.5	35.2	35.6	35.6	35.6	35.9	35.9	35.9	36.1	36.1	36.5	36.5	36.7	36.7
20	36.7	37.4	37.8	38.5	38.9	38.9	38.9	39.2	39.2	39.2	39.4	39.4	39.8	39.8	40.0	40.0
10	39.1	39.8	40.1	41.2	41.6	41.6	41.6	42.0	42.0	42.0	42.2	42.2	42.5	42.5	42.7	42.7
5	39.6	40.3	40.7	41.8	42.2	42.2	42.2	42.5	42.5	42.5	42.7	42.7	43.1	43.1	43.2	43.2
2	43.6	44.7	45.1	46.2	46.5	46.5	46.5	46.9	46.9	46.9	47.1	47.1	47.4	47.4	47.6	47.6
1	47.4	49.1	50.0	51.3	51.6	51.6	51.6	52.2	52.4	52.4	52.6	52.6	52.9	52.9	53.1	53.1
0.5	49.5	52.6	53.8	55.3	56.2	56.4	56.4	57.3	57.7	57.8	58.2	58.2	58.6	58.6	58.8	58.8
0.2	50.5	53.8	55.1	56.8	57.8	58.0	58.6	59.1	59.7	59.9	60.6	60.6	60.9	60.9	61.1	61.1
0.1	51.1	54.9	56.2	57.8	59.1	59.3	59.9	60.4	60.9	61.1	61.9	61.9	62.2	62.2	62.4	62.4
0.05	51.5	56.8	58.0	59.7	60.9	61.3	61.9	62.4	63.0	63.3	64.1	64.1	64.4	64.4	64.6	64.6
0.02	53.8	59.7	61.1	63.0	64.4	64.8	65.3	65.9	66.6	67.0	67.9	67.9	68.2	68.2	68.4	68.4
0.01	55.1	61.7	63.3	65.1	66.6	67.0	67.7	68.2	69.0	69.7	71.0	71.0	71.4	71.4	71.9	71.9
0.005	58.2	67.5	70.1	72.4	74.1	74.6	75.7	76.5	77.2	78.3	79.7	79.7	80.1	80.1	80.7	80.7
0.002	58.8	68.8	71.9	74.6	76.8	77.4	78.6	79.6	80.3	81.4	83.6	83.6	83.9	83.9	84.5	84.5
0.001	59.1	69.5	72.6	75.5	78.5	79.0	80.7	82.1	83.0	84.5	88.1	88.1	88.9	88.9	89.6	89.6
0.0005	59.3	69.7	72.8	75.7	79.0	79.7	81.8	83.4	84.7	86.9	92.2	92.2	93.8	94.2	95.6	96.7
0.0002	59.3	69.7	72.8	75.7	79.0	79.7	81.8	83.4	84.7	87.2	92.9	92.9	94.9	95.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 540

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

71220 CAPE ROMAN OF AFS AK  
STATION STATION NAME

73-81  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	17.4	18.2	18.4	18.5	18.6	18.7	18.7	18.8	18.8	18.9	19.1	19.1	19.1	19.1	19.1	19.1
900	18.5	19.3	19.5	19.6	19.8	19.8	19.8	20.0	20.0	20.0	20.2	20.2	20.3	20.3	20.3	20.3
800	19.0	19.9	20.1	20.2	20.3	20.4	20.4	20.5	20.5	20.6	20.8	20.8	20.8	20.8	20.9	20.9
700	19.2	20.1	20.3	20.3	20.5	20.6	20.6	20.7	20.7	20.8	21.0	21.0	21.0	21.0	21.0	21.0
600	19.2	20.1	20.3	20.4	20.6	20.6	20.6	20.8	20.8	20.9	21.1	21.1	21.1	21.1	21.1	21.1
500	19.5	20.4	20.6	20.7	20.8	20.9	20.9	21.0	21.0	21.1	21.3	21.3	21.4	21.4	21.4	21.4
400	19.9	20.9	21.1	21.2	21.3	21.4	21.4	21.6	21.6	21.7	21.9	21.9	21.9	21.9	21.9	21.9
300	20.8	21.8	22.0	22.1	22.2	22.3	22.3	22.5	22.5	22.5	22.7	22.7	22.8	22.8	22.8	22.8
200	22.7	23.7	24.0	24.1	24.3	24.4	24.4	24.5	24.5	24.6	24.8	24.8	24.9	24.9	24.9	24.9
100	25.2	26.2	26.5	26.6	26.8	26.9	26.9	27.1	27.1	27.2	27.4	27.4	27.5	27.5	27.5	27.5
000	25.9	26.9	27.2	27.3	27.5	27.6	27.6	27.8	27.8	27.9	28.1	28.1	28.2	28.2	28.2	28.2
000	26.7	27.8	28.2	28.4	28.6	28.7	28.7	28.9	28.9	29.0	29.2	29.2	29.3	29.3	29.3	29.3
000	27.3	28.5	28.9	29.1	29.3	29.4	29.4	29.6	29.6	29.7	29.9	29.9	30.0	30.0	30.0	30.0
000	29.3	30.7	31.2	31.3	31.5	31.6	31.6	31.8	31.8	31.9	32.1	32.1	32.2	32.2	32.3	32.3
000	31.5	32.9	33.5	33.6	34.0	34.1	34.1	34.3	34.3	34.4	34.6	34.6	34.7	34.7	34.8	34.9
000	33.0	34.5	35.1	35.3	35.7	35.8	35.8	35.9	35.9	36.1	36.3	36.3	36.4	36.4	36.5	36.6
000	36.8	38.6	39.2	39.4	39.8	39.9	40.0	40.2	40.2	40.3	40.5	40.5	40.7	40.7	40.8	40.8
000	39.5	41.6	42.2	42.5	43.0	43.1	43.1	43.3	43.3	43.5	43.7	43.7	43.9	43.9	44.0	44.0
000	40.4	42.6	43.3	43.6	44.0	44.2	44.2	44.4	44.4	44.6	44.8	44.8	45.0	45.0	45.1	45.1
000	44.6	47.0	47.8	48.2	48.7	48.9	49.0	49.2	49.2	49.4	49.6	49.6	49.7	49.7	49.8	49.9
000	49.8	52.7	53.8	54.3	55.0	55.3	55.5	55.7	55.8	56.0	56.3	56.3	56.5	56.5	56.5	56.7
000	52.4	56.1	57.3	57.9	59.0	59.3	59.5	59.8	59.9	60.2	60.5	60.5	60.7	60.7	60.8	60.9
000	54.0	57.9	59.2	59.8	60.9	61.3	61.6	61.9	62.0	62.4	62.7	62.7	62.9	63.0	63.1	63.2
000	54.9	59.1	60.4	61.1	62.2	62.6	62.9	63.3	63.4	63.8	64.2	64.2	64.5	64.5	64.7	64.8
000	56.0	60.6	62.1	62.9	64.0	64.4	64.8	65.1	65.3	65.7	66.1	66.1	66.5	66.5	66.6	66.8
000	58.0	63.5	65.1	66.1	67.3	67.8	68.2	68.6	68.8	69.3	69.7	69.7	70.1	70.1	70.3	70.5
000	59.8	65.9	67.8	68.9	70.4	71.0	71.8	72.2	72.5	73.2	73.7	73.7	74.1	74.1	74.4	74.6
000	62.7	70.4	73.0	74.4	76.2	77.0	78.2	78.8	79.1	80.0	80.9	80.9	81.4	81.4	81.7	81.9
000	64.3	73.2	76.4	78.2	80.4	81.2	82.6	83.3	83.7	84.6	86.0	86.0	86.6	86.6	87.0	87.2
000	64.9	74.4	77.9	80.0	82.7	83.6	85.2	86.3	86.9	88.2	90.3	90.4	91.2	91.3	91.7	92.1
000	65.0	74.8	78.6	80.7	83.9	85.0	87.0	88.3	89.1	90.8	94.3	94.3	95.8	95.9	96.6	97.6
000	65.0	74.8	78.6	80.7	83.9	85.0	87.0	88.3	89.1	90.9	94.7	94.7	96.4	96.7	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5406

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

702120

CAPE ROMANZOF AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILINGS	19.5	20.1	20.4	20.4	20.6	20.6	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1
2 20000	20.0	20.6	20.9	20.9	21.1	21.1	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.7	21.7
2 18000	20.4	21.0	21.3	21.3	21.5	21.5	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	22.1	22.0
2 16000	20.9	21.4	21.7	21.7	21.9	21.9	22.0	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4
2 14000	21.0	21.7	21.9	21.9	22.2	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.7	22.7
2 12000	21.0	21.7	21.9	21.9	22.2	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.7	22.7
2 10000	21.7	22.3	22.5	22.5	22.8	22.8	22.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.3
2 9000	22.4	23.1	23.3	23.3	23.6	23.6	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.1	24.1
2 8000	23.7	24.3	24.6	24.6	24.8	24.8	25.1	25.4	25.4	25.4	25.4	25.4	25.4	25.5	25.6	25.6
2 7000	26.0	26.6	26.9	26.9	27.1	27.3	27.5	27.8	27.8	27.8	27.8	27.8	27.8	28.0	28.2	28.2
2 6000	26.5	27.1	27.4	27.4	27.6	27.8	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.5	28.7	28.7
2 5000	27.4	28.2	28.4	28.4	28.7	28.8	29.0	29.3	29.3	29.3	29.3	29.3	29.3	29.6	29.7	29.7
2 4500	28.0	28.9	29.2	29.2	29.4	29.6	29.8	30.1	30.1	30.1	30.1	30.1	30.1	30.3	30.4	30.4
2 4000	31.3	32.2	32.5	32.5	32.7	32.9	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.6	33.8	33.8
2 3500	33.8	35.9	36.3	36.4	36.7	36.8	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.6	37.7	37.7
2 3000	35.9	38.1	38.7	38.9	39.1	39.2	39.5	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.1	40.1
2 2500	37.8	40.4	41.1	41.3	41.5	41.7	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.4	42.5	42.5
2 2000	39.9	43.1	43.9	44.2	44.6	44.7	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.5	45.6	45.6
2 1800	40.3	43.6	44.5	44.8	45.2	45.4	45.6	45.9	45.9	45.9	45.9	45.9	45.9	46.1	46.2	46.2
2 1600	43.1	46.9	47.8	48.3	48.7	48.8	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.7	49.8	49.8
2 1400	49.4	53.6	54.9	55.5	56.3	56.6	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.5	57.6	57.6
2 1200	53.1	57.8	59.2	60.0	61.0	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.4	62.4
2 900	54.1	59.5	61.1	62.2	63.2	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.6	64.6
2 800	55.9	61.8	63.4	64.5	65.6	66.0	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.9	67.0	67.0
2 700	56.9	62.9	64.6	65.7	66.9	67.3	67.6	67.9	67.9	68.0	68.0	68.0	68.0	68.3	68.4	68.4
2 600	60.4	67.3	69.0	70.3	71.7	72.1	72.5	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.2	73.2
2 500	61.5	69.2	71.2	72.9	74.6	75.2	75.8	76.1	76.1	76.2	76.2	76.2	76.2	76.4	76.6	76.6
2 400	63.1	71.3	73.8	76.2	78.3	78.9	79.5	79.9	80.0	80.4	80.8	80.8	81.0	81.0	81.1	81.1
2 300	63.8	72.4	75.0	77.8	81.0	81.8	82.7	83.4	83.6	84.5	85.7	85.7	86.0	86.0	86.1	86.1
2 200	64.1	73.4	76.3	79.4	82.8	83.8	84.8	85.7	85.9	87.1	90.2	90.2	90.8	90.8	91.3	91.6
2 100	64.5	73.9	76.8	80.1	83.9	85.0	86.1	87.9	88.0	89.6	93.6	93.9	95.0	95.0	95.9	97.1
2	64.5	73.9	76.8	80.1	83.9	85.0	86.1	87.9	88.0	89.6	93.9	94.3	95.4	95.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 785

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3320-7500  
CEILING

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO. CEILING	18.4	19.4	19.4	19.4	19.7	19.7	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.1	20.1
≥ 20000	19.2	20.2	20.2	20.2	20.7	20.7	20.7	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1
≥ 18000	19.9	20.8	20.8	20.8	21.3	21.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7
≥ 16000	19.9	20.8	20.8	20.8	21.3	21.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7
≥ 14000	19.9	20.8	20.8	20.8	21.3	21.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7
≥ 12000	19.9	20.8	20.8	20.8	21.3	21.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7
≥ 10000	20.3	21.3	21.3	21.3	21.8	21.8	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.3	22.3
≥ 9000	20.7	21.7	21.7	21.7	22.2	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.7	22.7
≥ 8000	22.4	23.4	23.4	23.4	23.9	23.9	23.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.4	24.4
≥ 7000	25.8	26.8	26.8	26.9	27.4	27.4	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.9	27.9
≥ 6000	27.2	28.4	28.4	28.5	29.0	29.0	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.5	29.5
≥ 5000	28.1	29.5	29.5	29.6	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.6	30.6
≥ 4500	28.4	29.7	29.7	29.8	30.3	30.3	30.3	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.8	30.8
≥ 4000	30.7	32.0	32.0	32.2	32.6	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.1	33.1
≥ 3500	32.9	34.6	34.7	35.0	35.4	35.4	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.9	35.9
≥ 3000	35.0	37.0	37.1	37.4	37.9	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.4	38.4
≥ 2500	37.1	39.5	39.6	39.8	40.3	40.3	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8
≥ 2000	40.3	43.2	43.5	43.7	44.2	44.2	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.8	44.8
≥ 1800	41.4	44.5	44.7	44.9	45.4	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.0	46.0
≥ 1500	43.8	47.9	48.2	48.5	49.1	49.1	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7	49.7
≥ 1200	48.4	52.6	53.2	53.6	54.3	54.3	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.1	55.1
≥ 1000	51.6	56.3	57.1	57.7	59.1	59.1	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9
≥ 900	53.1	58.2	59.4	60.0	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.5	62.5
≥ 800	54.2	59.6	61.0	61.6	63.2	63.2	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 700	55.1	60.4	62.0	62.9	64.6	64.6	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5
≥ 600	57.1	63.1	64.7	65.5	67.5	67.5	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.6	68.6
≥ 500	57.9	64.3	66.0	67.1	69.2	69.5	70.5	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.4	71.4
≥ 400	60.0	68.6	70.5	71.9	74.7	75.2	76.1	76.6	76.7	77.0	77.0	77.0	77.0	77.2	77.3	77.3
≥ 300	60.9	70.2	72.4	73.7	77.1	77.6	79.3	79.9	80.4	80.8	81.0	81.0	81.0	81.2	81.4	81.7
≥ 200	61.5	71.3	73.7	75.3	79.5	80.0	82.1	83.4	84.2	85.1	86.8	86.8	86.8	87.5	88.3	88.7
≥ 100	61.5	71.7	74.4	76.4	81.2	81.9	84.2	86.5	87.5	89.0	91.6	91.8	92.8	93.1	94.4	95.6
≥ 0	61.5	71.7	74.4	76.4	81.2	81.9	84.2	86.5	87.5	89.0	92.1	92.3	93.4	93.9	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 621

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-0120

CAPE ROMANZOF AFS AK

73-01

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0630-2030

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	17.9	17.9	18.0	18.0	18.0	18.0	18.1	18.2	18.2	18.4	18.5	18.5	18.7	18.7	19.0	19.0
≥ 20000	18.6	18.7	18.9	18.9	18.9	18.9	19.0	19.1	19.1	19.2	19.3	19.3	19.6	19.6	19.8	19.8
≥ 18000	19.1	19.2	19.3	19.3	19.3	19.3	19.5	19.6	19.6	19.7	19.8	19.8	20.1	20.1	20.3	20.3
≥ 16000	19.1	19.2	19.3	19.3	19.3	19.3	19.5	19.6	19.6	19.7	19.8	19.8	20.1	20.1	20.3	20.3
≥ 14000	19.2	19.3	19.5	19.5	19.5	19.5	19.6	19.7	19.7	19.8	20.0	20.0	20.2	20.2	20.4	20.4
≥ 12000	19.3	19.5	19.6	19.6	19.6	19.6	19.7	19.8	19.8	20.0	20.1	20.1	20.3	20.3	20.6	20.6
≥ 10000	19.7	19.8	20.0	20.0	20.0	20.0	20.1	20.2	20.3	20.4	20.6	20.6	20.8	20.8	21.0	21.0
≥ 9000	19.8	20.0	20.1	20.1	20.1	20.1	20.2	20.3	20.4	20.6	20.7	20.7	20.9	20.9	21.2	21.2
≥ 8000	21.8	22.0	22.1	22.1	22.1	22.1	22.3	22.4	22.5	22.6	22.7	22.7	23.0	23.0	23.2	23.2
≥ 7000	24.7	24.9	25.2	25.3	25.3	25.3	25.4	25.5	25.7	25.8	25.9	25.9	26.2	26.2	26.4	26.4
≥ 6000	25.8	26.3	26.5	26.9	26.9	26.9	27.0	27.1	27.3	27.4	27.5	27.5	27.7	27.7	28.0	28.0
≥ 5000	27.4	28.0	28.2	28.6	28.6	28.6	28.7	28.8	29.0	29.1	29.2	29.2	29.4	29.4	29.7	29.7
≥ 4500	27.5	28.1	28.3	28.7	28.7	28.7	28.8	29.0	29.1	29.2	29.3	29.3	29.6	29.6	29.8	29.8
≥ 4000	29.7	30.3	30.5	30.9	30.9	30.9	31.0	31.1	31.3	31.4	31.5	31.5	31.8	31.8	32.0	32.0
≥ 3500	31.6	32.8	33.1	33.5	33.7	33.7	33.8	33.9	34.1	34.2	34.3	34.3	34.5	34.5	34.8	34.8
≥ 3000	32.7	34.1	34.3	34.7	34.9	34.9	35.0	35.2	35.3	35.4	35.5	35.5	35.8	35.8	36.0	36.0
≥ 2500	34.9	36.6	36.9	37.2	37.5	37.5	37.6	37.7	37.8	38.0	38.1	38.1	38.3	38.3	38.6	38.6
≥ 2000	38.8	40.8	41.1	41.5	41.8	41.8	42.0	42.1	42.2	42.3	42.5	42.5	42.7	42.7	42.9	42.9
≥ 1800	39.5	41.6	42.0	42.3	42.7	42.7	42.8	42.9	43.1	43.2	43.3	43.3	43.6	43.6	43.8	43.8
≥ 1500	42.5	45.1	45.6	46.0	46.4	46.4	46.5	46.6	46.7	47.0	47.1	47.1	47.3	47.3	47.6	47.6
≥ 1200	47.4	50.9	51.3	51.7	52.1	52.1	52.2	52.3	52.4	52.8	52.9	52.9	53.2	53.2	53.4	53.4
≥ 1000	50.7	55.2	55.8	56.7	57.4	57.4	57.7	57.8	57.9	58.4	58.5	58.5	58.8	58.8	59.0	59.0
≥ 900	51.3	56.3	57.1	57.9	58.8	58.8	59.0	59.1	59.2	59.7	59.9	59.9	60.1	60.1	60.3	60.3
≥ 800	52.2	57.2	57.9	58.8	59.6	59.6	59.9	60.0	60.1	60.6	60.7	60.7	60.9	60.9	61.2	61.2
≥ 700	52.9	58.2	59.0	59.9	60.7	60.7	60.9	61.1	61.2	61.7	61.8	61.8	62.0	62.0	62.3	62.3
≥ 600	55.2	61.6	62.5	63.5	64.4	64.4	64.6	64.7	64.8	65.3	65.5	65.5	65.7	65.7	65.9	65.9
≥ 500	57.5	65.1	66.3	67.5	68.4	68.5	68.9	69.1	69.2	69.7	69.8	69.8	70.1	70.1	70.3	70.3
≥ 400	60.5	69.6	70.9	72.4	73.6	73.7	74.6	74.8	74.9	75.7	75.8	75.8	76.3	76.3	76.5	76.6
≥ 300	61.6	71.4	73.5	75.1	76.8	77.1	78.6	79.3	79.8	81.3	81.5	81.5	82.1	82.1	82.4	82.5
≥ 200	62.2	73.1	75.8	77.6	79.9	80.3	81.9	83.1	84.1	85.9	86.6	86.6	87.6	87.6	88.3	88.6
≥ 100	62.8	74.1	76.9	78.7	81.0	81.6	83.6	85.2	86.5	89.2	91.0	91.2	93.2	93.6	95.3	96.8
≥ 0	62.8	74.1	76.9	78.7	81.0	81.6	83.6	85.2	86.5	89.3	91.2	91.5	93.7	94.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ 0
NO CEILING	16.9	17.7	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.1
≥ 20000	17.7	18.4	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.9	18.9	19.0	19.0	19.0	19.0
≥ 18000	17.9	18.6	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.2
≥ 16000	17.9	18.6	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.2
≥ 14000	18.1	18.9	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.4	19.4	19.5	19.5	19.5	19.5
≥ 12000	18.1	18.9	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.4	19.4	19.5	19.5	19.5	19.5
≥ 10000	18.6	19.5	19.7	19.9	19.9	19.9	19.9	19.9	19.9	19.9	20.0	20.0	20.1	20.1	20.1	20.1
≥ 9000	18.9	19.7	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.2	20.2	20.3	20.3	20.3	20.3
≥ 8000	20.6	21.7	21.9	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.4	22.4	22.4	22.4
≥ 7000	23.0	24.1	24.4	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.8	24.8	25.0	25.0	25.0	25.0
≥ 6000	23.8	25.0	25.2	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.7	25.7	25.8	25.8	25.8	25.8
≥ 5000	25.9	27.2	27.4	27.6	27.6	27.6	27.8	27.8	27.8	27.8	27.9	27.9	28.0	28.0	28.0	28.0
≥ 4500	26.3	27.5	27.8	28.0	28.0	28.0	28.1	28.1	28.1	28.3	28.4	28.4	28.5	28.5	28.5	28.5
≥ 4000	27.8	29.1	29.4	29.6	29.6	29.7	29.8	29.8	29.8	30.0	30.1	30.1	30.2	30.2	30.2	30.2
≥ 3500	28.9	30.5	30.7	30.9	30.9	31.1	31.2	31.2	31.2	31.3	31.4	31.4	31.5	31.5	31.5	31.5
≥ 3000	30.6	32.2	32.4	32.6	32.6	32.8	32.9	32.9	32.9	33.0	33.1	33.1	33.3	33.3	33.3	33.3
≥ 2500	33.1	35.0	35.2	35.4	35.4	35.6	35.7	35.7	35.7	35.8	35.9	35.9	36.1	36.1	36.1	36.1
≥ 2000	36.9	39.0	39.3	39.6	39.6	39.7	39.8	39.8	39.8	40.0	40.1	40.1	40.2	40.2	40.2	40.2
≥ 1800	37.6	39.8	40.2	40.4	40.4	40.6	40.7	40.7	40.7	40.8	40.9	40.9	41.0	41.0	41.0	41.0
≥ 1500	40.1	42.6	43.7	43.5	43.5	43.6	43.8	43.8	43.8	44.0	44.1	44.1	44.2	44.2	44.2	44.2
≥ 1200	45.6	49.2	50.2	50.7	50.9	51.0	51.4	51.5	51.5	51.6	51.8	51.8	51.9	51.9	51.9	51.9
≥ 1000	50.2	54.7	56.0	57.0	57.4	57.5	57.9	58.0	58.0	58.2	58.3	58.3	58.5	58.5	58.5	58.5
≥ 900	52.6	57.7	59.1	60.0	60.4	60.5	60.9	61.1	61.1	61.4	61.5	61.5	61.8	61.8	61.8	61.8
≥ 800	54.1	59.2	60.7	61.8	62.1	62.2	62.6	62.9	62.9	63.1	63.2	63.2	63.5	63.5	63.5	63.5
≥ 700	54.8	60.3	61.8	63.0	63.3	63.5	63.8	64.1	64.2	64.4	64.6	64.6	64.8	64.8	64.8	64.8
≥ 600	56.9	62.9	64.3	65.5	65.9	66.0	66.4	66.7	66.9	67.1	67.2	67.2	67.5	67.5	67.5	67.5
≥ 500	61.4	68.5	70.3	72.0	72.6	72.8	73.2	73.6	73.8	74.1	74.2	74.2	74.4	74.4	74.4	74.4
≥ 400	65.9	74.5	76.6	78.3	79.3	79.5	80.6	81.1	81.4	81.9	82.0	82.0	82.2	82.2	82.2	82.2
≥ 300	66.6	76.4	79.0	81.2	82.9	83.2	85.0	85.7	86.0	86.6	86.8	86.8	87.3	87.3	87.3	87.3
≥ 200	67.7	78.1	81.1	83.9	86.1	86.4	88.3	89.4	89.9	90.7	91.8	91.8	92.4	92.4	93.1	93.1
≥ 100	68.0	78.6	81.9	84.8	87.1	87.5	89.5	91.1	91.7	93.1	95.0	95.0	96.2	96.2	97.2	98.1
≥ 0	68.0	78.6	81.9	84.8	87.1	87.5	89.5	91.1	91.7	93.1	95.1	95.2	96.6	96.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120

CAPE ROMANZOF AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1230-1430

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 20000	19.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 18000	19.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 16000	19.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 14000	20.0	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 12000	20.2	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 10000	20.5	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 9000	20.8	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 8000	23.1	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 7000	24.7	25.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 6000	25.2	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 5000	26.2	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 4500	26.4	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 4000	28.7	30.0	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 3500	30.1	31.5	31.7	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 3000	31.3	32.9	33.0	33.0	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 2500	33.4	35.0	35.1	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 2000	38.3	40.2	40.2	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 1800	38.5	40.2	40.5	40.6	40.7	40.8	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1
≥ 1500	43.4	46.2	46.5	46.7	46.8	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3
≥ 1200	50.2	53.5	54.2	54.4	54.8	55.0	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6
≥ 1000	57.1	60.8	61.7	62.0	62.5	62.7	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4
≥ 900	60.0	64.3	65.3	65.5	66.0	66.3	66.7	66.7	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0
≥ 800	61.6	66.0	67.0	67.4	67.8	68.1	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 700	63.6	68.2	69.2	69.6	70.0	70.3	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 600	67.1	72.1	73.2	73.6	74.2	74.4	74.9	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2
≥ 500	70.7	75.9	77.1	77.9	78.6	78.9	79.5	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 400	73.1	79.7	81.2	82.5	83.9	84.2	85.2	85.3	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9
≥ 300	74.8	82.9	84.7	86.4	88.4	88.8	89.7	89.9	90.2	90.7	91.2	91.2	91.3	91.3	91.3	91.3
≥ 200	75.8	84.5	86.7	88.6	90.8	91.4	92.7	93.2	93.8	94.6	95.4	95.4	95.6	95.6	95.7	95.7
≥ 100	76.0	84.8	87.2	89.1	91.4	92.1	93.4	94.1	94.7	96.0	97.2	97.3	98.0	98.0	98.7	99.3
≥ 0	76.0	84.8	87.2	89.1	91.4	92.1	93.4	94.1	94.7	96.0	97.2	97.4	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 412

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	19.3	20.1	20.1	20.1	20.1	20.1	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
≥ 20000	20.0	20.8	20.8	20.8	20.8	20.8	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 18000	20.1	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 16000	20.3	21.1	21.1	21.1	21.1	21.1	21.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 14000	21.5	21.4	21.4	21.4	21.4	21.4	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 12000	21.4	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 10000	22.1	23.0	23.0	23.0	23.0	23.0	23.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 9000	23.1	24.0	24.0	24.0	24.0	24.0	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 8000	24.9	25.7	25.7	25.7	25.7	26.0	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 7000	27.4	28.3	28.3	28.3	28.3	28.6	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥ 6000	28.2	29.0	29.0	29.0	29.0	29.3	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 5000	28.7	29.6	29.6	29.6	29.6	29.9	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 4500	30.2	31.0	31.0	31.0	31.0	31.3	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 4000	32.6	33.5	33.5	33.5	33.5	33.8	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 3500	35.3	36.2	36.2	36.2	36.2	36.5	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 3000	37.1	38.1	38.1	38.1	38.1	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 2500	39.2	40.4	40.5	40.5	40.8	41.1	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 2000	43.0	44.5	44.8	44.8	45.1	45.4	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 1800	44.1	45.7	46.0	46.0	46.3	46.6	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 1500	47.4	49.1	49.4	49.4	49.7	50.0	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 1200	54.2	56.5	57.2	57.3	58.0	58.3	58.6	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 1000	58.0	61.1	61.9	62.2	63.2	63.5	63.8	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 900	60.9	64.2	65.4	65.7	66.7	67.0	67.2	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 800	62.5	65.8	67.1	67.4	68.4	68.7	69.0	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 700	63.5	67.0	68.2	68.5	69.5	69.8	70.1	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 600	69.0	72.6	73.9	74.1	75.3	75.6	75.9	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 500	72.3	76.6	77.9	78.2	79.3	79.6	80.0	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 400	75.0	81.9	83.9	84.5	86.2	86.6	87.2	87.6	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 300	76.1	84.8	87.2	88.1	90.2	90.7	91.2	92.0	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.0
≥ 200	76.1	84.9	87.5	88.8	91.1	91.5	92.5	93.5	94.0	94.7	95.5	95.5	95.8	95.8	95.8	95.8
≥ 100	76.1	85.1	88.1	89.4	91.8	92.4	93.4	94.7	95.1	96.6	98.6	98.6	99.4	99.6	99.7	99.7
≥ 50	76.1	85.1	88.1	89.4	91.8	92.4	93.4	94.7	95.1	96.6	98.6	98.6	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2120

CAPE ROMANZOF AFS AK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO. CEILING	17.9	18.8	18.8	18.6	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
≥ 20000	19.5	20.5	20.5	20.5	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 18000	20.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 16000	21.1	22.0	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
≥ 14000	21.2	22.2	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 12000	22.2	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 10000	23.9	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 9000	25.0	25.9	25.9	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 8000	26.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 7000	31.2	32.1	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 6000	32.9	34.0	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 5000	34.0	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 4500	34.0	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 4000	36.1	37.2	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 3500	37.6	38.7	38.7	38.7	38.9	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 3000	38.3	39.7	39.7	39.7	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 2500	41.5	43.0	43.0	43.0	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 2000	43.2	45.1	45.1	45.1	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 1800	43.6	45.5	45.5	45.5	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 1600	45.3	47.2	47.2	47.2	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 1400	51.1	53.0	53.2	53.4	53.9	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 1200	53.2	55.1	55.5	55.8	56.6	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 1000	55.1	57.3	57.9	58.5	59.2	59.2	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 900	55.8	58.1	58.6	59.2	60.0	60.0	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 800	57.0	59.2	59.8	60.5	61.8	61.8	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 700	61.7	64.1	65.0	66.2	67.7	67.7	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 600	64.7	67.1	69.2	70.1	72.0	72.2	73.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 500	68.8	72.9	76.5	78.0	80.5	81.0	82.1	82.9	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5
≥ 400	70.1	76.1	80.5	82.1	85.2	85.7	87.0	87.8	88.0	88.5	90.0	90.2	90.2	90.2	90.2	90.2
≥ 300	71.2	78.2	82.9	85.0	88.5	89.1	91.0	91.9	92.1	92.9	95.3	95.5	95.5	95.5	95.5	95.7
≥ 200	71.2	78.2	82.9	85.0	88.7	89.3	91.9	93.6	93.8	94.5	97.4	97.6	98.5	98.5	98.7	98.9
≥ 100	71.2	78.2	82.9	85.0	88.7	89.3	91.9	93.6	93.8	94.5	97.7	97.9	99.2	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	21.6	20.8	20.9	21.1	21.1	21.1	21.1	21.4	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 18000	23.0	23.1	23.3	23.5	23.5	23.5	23.5	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 16000	23.3	23.5	23.6	23.8	23.8	23.8	23.8	24.1	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 14000	23.6	23.8	23.9	24.1	24.1	24.1	24.1	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 12000	23.8	23.9	24.1	24.3	24.3	24.3	24.3	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 10000	23.9	24.1	24.3	24.4	24.4	24.4	24.4	24.7	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 9000	25.2	25.4	25.5	25.7	25.7	25.7	25.7	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 8000	26.0	26.1	26.3	26.5	26.5	26.5	26.5	26.8	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 7000	26.9	27.1	27.2	27.4	27.4	27.4	27.4	27.7	27.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 6000	30.1	30.2	30.4	30.6	30.6	30.6	30.6	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 5000	31.5	31.7	31.8	32.0	32.0	32.0	32.0	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 4500	33.4	33.5	33.7	33.9	33.9	33.9	33.9	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 4000	34.3	34.6	34.8	35.0	35.0	35.0	35.0	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 3500	35.7	36.1	36.2	36.4	36.4	36.4	36.4	36.7	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 3000	38.6	39.4	39.5	39.7	39.7	39.7	39.7	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 2500	41.4	42.5	42.7	42.8	42.8	42.8	42.8	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 2000	44.6	45.7	45.8	46.0	46.0	46.0	46.0	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 1800	46.6	47.9	48.3	48.5	48.5	48.5	48.5	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 1600	46.9	48.5	49.0	49.1	49.1	49.1	49.1	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 1400	49.8	51.7	52.1	52.4	52.4	52.4	52.4	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1200	54.0	55.9	56.9	57.3	57.3	57.3	57.3	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1000	56.4	58.9	59.8	60.5	60.6	60.6	60.6	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 900	58.7	61.6	62.5	63.1	63.3	63.3	63.3	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 800	59.8	62.8	63.9	65.0	65.2	65.2	65.2	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 700	60.6	63.6	64.7	65.8	66.1	66.1	66.1	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 600	63.1	66.6	67.7	68.8	69.6	69.6	69.6	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 500	65.5	69.4	70.9	72.1	73.1	73.1	73.1	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 400	68.0	73.7	76.1	78.0	79.5	79.5	79.5	80.9	81.1	81.4	82.2	82.2	82.2	82.2	82.2	82.2
≥ 300	68.2	75.0	77.6	79.5	81.4	81.6	82.4	83.1	83.3	83.8	85.0	85.0	85.2	85.2	85.4	85.4
≥ 200	68.5	75.9	78.6	80.8	83.6	84.1	85.0	86.1	86.3	87.7	90.4	90.4	90.9	90.9	91.2	91.2
≥ 100	68.8	76.5	79.4	81.6	85.0	85.5	86.8	88.8	89.0	90.9	95.0	95.0	95.7	95.7	96.4	97.6
≥ 0	68.8	76.5	79.4	81.6	85.0	85.5	86.8	88.8	89.0	90.9	95.0	95.0	95.9	96.1	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS

635

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	18.6	19.2	19.3	19.4	19.5	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.8	19.8
≥ 20000	19.6	20.2	20.3	20.3	20.5	20.5	20.5	20.6	20.6	20.7	20.7	20.7	20.7	20.8	20.8	20.8
≥ 18000	20.0	20.6	20.7	20.8	20.9	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.2
≥ 16000	20.2	20.8	20.9	20.9	21.1	21.1	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.4	21.4	21.4
≥ 14000	20.3	21.0	21.1	21.1	21.2	21.2	21.3	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.6	21.6
≥ 12000	20.6	21.2	21.3	21.3	21.5	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8
≥ 10000	21.3	21.9	22.0	22.1	22.2	22.2	22.2	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.6	22.6
≥ 9000	21.8	22.5	22.6	22.6	22.7	22.7	22.8	22.9	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.1
≥ 8000	23.5	24.2	24.3	24.4	24.5	24.5	24.6	24.8	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.0
≥ 7000	26.3	27.0	27.2	27.2	27.4	27.4	27.5	27.7	27.7	27.7	27.8	27.8	27.9	27.9	27.9	27.9
≥ 6000	27.2	28.1	28.2	28.3	28.5	28.5	28.6	28.8	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.0
≥ 5000	28.5	29.4	29.6	29.7	29.8	29.9	30.0	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.4	30.4
≥ 4500	29.0	29.9	30.1	30.2	30.3	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.8	30.9	30.9	30.9
≥ 4000	31.2	32.2	32.3	32.4	32.6	32.6	32.7	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.2	33.2
≥ 3500	33.2	34.6	34.8	34.9	35.1	35.2	35.3	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.7	35.7
≥ 3000	34.9	36.5	36.7	36.8	37.0	37.1	37.2	37.3	37.3	37.4	37.4	37.4	37.5	37.5	37.6	37.6
≥ 2500	37.3	39.0	39.3	39.4	39.6	39.7	39.8	39.9	40.0	40.0	40.1	40.1	40.2	40.2	40.2	40.2
≥ 2000	41.5	42.6	43.0	43.2	43.4	43.5	43.6	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.1	44.1
≥ 1800	41.2	43.4	43.8	44.0	44.2	44.3	44.4	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	44.9
≥ 1500	44.1	46.9	47.3	47.6	47.8	47.9	48.2	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.6	48.6
≥ 1200	49.8	53.0	53.7	54.1	54.6	54.7	55.0	55.2	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.5
≥ 1000	53.7	57.5	58.4	59.0	59.8	59.9	60.2	60.5	60.5	60.7	60.7	60.7	60.8	60.8	60.9	60.9
≥ 900	55.6	59.9	61.0	61.6	62.4	62.5	62.9	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.6	63.6
≥ 800	56.9	61.3	62.5	63.2	64.0	64.2	64.5	64.8	64.8	65.0	65.0	65.0	65.1	65.2	65.2	65.2
≥ 700	57.9	62.5	63.7	64.5	65.4	65.6	65.9	66.2	66.2	66.4	66.4	66.4	66.6	66.6	66.6	66.6
≥ 600	61.1	66.2	67.6	68.4	69.5	69.6	70.0	70.3	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.7
≥ 500	63.7	69.5	71.1	72.2	73.4	73.7	74.3	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.2	75.2
≥ 400	66.5	73.9	76.0	77.6	79.3	79.6	80.5	80.9	81.1	81.4	81.7	81.7	81.9	81.9	81.9	81.9
≥ 300	67.5	76.0	78.5	80.3	82.7	83.1	84.3	84.9	85.3	85.9	86.6	86.6	86.8	86.8	87.0	87.0
≥ 200	68.1	77.3	80.1	82.2	85.1	85.6	87.1	88.1	88.6	89.7	91.3	91.3	91.8	91.8	92.2	92.4
≥ 100	68.3	77.8	80.8	83.0	86.1	86.7	88.4	90.0	90.6	92.2	94.7	94.7	96.0	96.1	96.9	97.8
≥ 0	68.3	77.8	80.8	83.0	86.1	86.7	88.4	90.0	90.6	92.2	94.9	95.1	96.3	96.5	97.6	99.0

TOTAL NUMBER OF OBSERVATIONS 5930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72120 CAPE ROMANZOF AFS AK

73-81

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2000-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	19.1	19.4	19.4	19.4	19.5	19.5	19.5	19.7	19.7	19.7	19.9	19.9	19.9	19.9	19.9	19.9
≥18000	20.6	20.8	20.8	20.8	21.0	21.0	21.0	21.1	21.1	21.1	21.3	21.3	21.3	21.3	21.3	21.3
≥16000	21.2	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0
≥14000	21.2	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0
≥12000	21.2	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0
≥10000	21.7	22.0	22.0	22.0	22.1	22.1	22.1	22.3	22.3	22.3	22.5	22.5	22.5	22.5	22.5	22.5
≥8000	22.5	22.8	22.8	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.3	23.3	23.3	23.3	23.3	23.3
≥6000	23.2	23.4	23.4	23.4	23.5	23.5	23.5	23.7	23.7	23.7	23.9	23.9	23.9	23.9	23.9	23.9
≥4000	25.4	25.6	25.6	25.6	25.7	25.7	25.9	26.0	26.0	26.0	26.3	26.3	26.3	26.3	26.3	26.3
≥2000	25.9	26.1	26.1	26.1	26.3	26.3	26.4	26.5	26.5	26.5	26.8	26.8	26.8	26.8	26.8	26.8
≥1000	27.4	27.7	27.7	27.7	27.8	27.8	27.9	28.1	28.1	28.1	28.3	28.3	28.3	28.3	28.3	28.3
≥500	28.3	28.6	28.6	28.7	28.8	28.8	29.0	29.1	29.1	29.1	29.4	29.4	29.4	29.4	29.4	29.4
≥250	30.9	31.4	31.4	31.6	31.7	31.7	31.8	32.0	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2
≥150	33.4	34.5	34.5	34.7	34.8	34.8	34.9	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3
≥100	35.7	37.5	37.5	37.6	37.8	37.8	37.9	38.0	38.0	38.0	38.3	38.3	38.3	38.3	38.3	38.3
≥75	38.2	41.1	41.1	41.3	41.5	41.5	41.9	42.0	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3
≥50	40.9	44.0	44.1	44.8	45.1	45.1	45.5	45.7	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9
≥25	41.8	45.0	45.1	45.8	46.3	46.4	46.8	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
≥15	44.1	47.9	48.0	48.6	49.3	49.4	49.8	49.9	49.9	49.9	50.2	50.2	50.2	50.2	50.2	50.2
≥10	49.2	53.8	53.9	54.6	55.2	55.4	55.9	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥7.5	52.4	58.2	58.3	59.1	59.9	60.0	60.8	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2
≥5	53.0	59.5	59.6	60.4	61.2	61.3	62.1	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5	62.5
≥2.5	54.9	62.1	62.5	63.3	64.0	64.2	65.2	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6
≥1.5	56.8	64.6	65.1	65.8	67.0	67.3	68.6	68.7	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2
≥1	59.8	68.0	68.6	69.3	70.9	71.2	72.4	72.6	72.7	73.0	73.2	73.2	73.2	73.2	73.2	73.2
≥0.75	63.3	72.8	73.9	74.8	76.5	76.7	78.9	79.0	79.2	79.8	80.5	80.5	80.5	80.5	80.5	80.5
≥0.5	65.8	76.5	78.3	79.7	82.3	82.5	85.1	85.3	85.4	86.0	88.4	88.4	88.5	88.5	88.5	88.7
≥0.25	66.5	77.4	79.6	81.2	84.7	85.0	87.7	88.1	88.4	89.1	91.8	91.8	92.0	92.0	92.0	92.2
≥0.15	66.6	77.9	80.1	81.9	85.8	86.0	89.3	89.8	90.0	90.8	94.4	94.4	94.6	94.6	94.7	95.1
≥0.1	66.6	78.0	80.2	82.0	85.9	86.3	89.8	90.4	90.8	92.2	96.5	96.8	97.4	97.5	97.9	98.7
≥0.05	66.6	78.0	80.2	82.0	85.9	86.3	89.8	90.4	90.8	92.2	96.6	96.9	97.9	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 773

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2120 CAPE ROMANZOF AFS AK

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.4	14.7	14.8	14.8	14.8	14.8	14.9	14.9	14.9	15.3	15.4	15.4	15.5	15.5	15.5	15.5
≥ 20000	15.5	15.8	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.4	16.5	16.5	16.7	16.7	16.7	16.7
≥ 18000	16.4	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9	17.3	17.4	17.4	17.5	17.5	17.5	17.5
≥ 16000	16.4	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9	17.3	17.4	17.4	17.5	17.5	17.5	17.5
≥ 14000	16.4	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9	17.3	17.4	17.4	17.5	17.5	17.5	17.5
≥ 12000	16.8	17.0	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.7	17.8	17.8	17.9	17.9	17.9	17.9
≥ 10000	17.7	17.9	18.0	18.0	18.0	18.0	18.2	18.2	18.2	18.5	18.7	18.7	18.8	18.8	18.8	18.8
≥ 9000	18.4	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	19.3	19.4	19.4	19.5	19.5	19.5	19.5
≥ 8000	19.0	19.3	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.9	20.0	20.0	20.1	20.1	20.1	20.1
≥ 7000	20.8	21.0	21.1	21.1	21.1	21.1	21.3	21.3	21.3	21.6	21.8	21.8	21.9	21.9	21.9	21.9
≥ 6000	21.3	21.5	21.6	21.6	21.6	21.6	21.8	21.8	21.8	22.1	22.3	22.3	22.4	22.4	22.4	22.4
≥ 5000	21.6	21.9	22.0	22.0	22.0	22.0	22.1	22.3	22.3	22.6	22.8	22.8	22.9	22.9	22.9	22.9
≥ 4500	22.0	22.3	22.4	22.4	22.4	22.4	22.5	22.6	22.6	23.0	23.1	23.1	23.3	23.3	23.3	23.3
≥ 4000	24.4	25.0	25.1	25.1	25.1	25.1	25.4	25.5	25.5	25.9	26.0	26.0	26.1	26.1	26.1	26.1
≥ 3500	26.4	27.4	27.5	27.5	27.5	27.5	27.7	27.9	27.9	28.2	28.4	28.4	28.5	28.5	28.5	28.5
≥ 3000	29.3	30.8	31.2	31.2	31.3	31.3	31.6	31.7	31.7	32.1	32.2	32.2	32.3	32.3	32.3	32.3
≥ 2500	31.2	33.1	33.5	33.5	33.6	33.6	34.1	34.2	34.2	34.6	34.7	34.7	34.8	34.8	34.8	34.8
≥ 2000	34.8	36.9	37.3	37.4	37.6	37.6	38.1	38.2	38.2	38.6	38.7	38.7	38.8	38.8	38.8	38.8
≥ 1800	35.7	37.8	38.2	38.3	38.4	38.4	38.9	39.1	39.1	39.4	39.6	39.6	39.7	39.7	39.7	39.7
≥ 1500	47.4	42.8	43.3	43.7	43.8	43.8	44.3	44.4	44.4	44.8	44.9	44.9	45.0	45.0	45.0	45.0
≥ 1200	46.3	49.3	50.5	50.9	51.1	51.1	51.7	51.9	51.9	52.2	52.4	52.4	52.5	52.5	52.5	52.5
≥ 1000	48.8	52.7	54.1	54.7	55.2	55.2	55.8	56.1	56.1	56.5	56.6	56.6	56.7	56.7	56.7	56.7
≥ 900	51.6	56.0	57.3	58.0	58.5	58.5	59.3	59.6	59.6	60.1	60.3	60.3	60.4	60.4	60.4	60.4
≥ 800	53.1	58.1	59.5	60.1	60.6	60.6	61.6	61.8	61.8	62.3	62.6	62.6	62.7	62.7	62.7	62.7
≥ 700	54.5	59.6	61.1	61.7	62.4	62.4	63.4	63.7	63.7	64.2	64.4	64.4	64.6	64.6	64.6	64.6
≥ 600	57.0	63.2	64.7	65.4	66.5	66.5	67.5	68.0	68.0	68.5	68.8	68.8	68.9	68.9	68.9	68.9
≥ 500	60.8	68.8	71.3	72.1	73.6	73.6	74.8	75.4	75.4	75.9	76.1	76.1	76.2	76.2	76.2	76.2
≥ 400	63.9	73.1	76.1	77.6	79.5	79.6	81.5	82.3	82.3	82.8	83.8	83.8	84.0	84.0	84.0	84.1
≥ 300	64.8	74.4	77.7	79.2	81.7	81.8	84.5	85.3	85.4	86.1	87.3	87.3	87.6	87.7	88.2	88.3
≥ 200	64.8	74.9	78.2	79.7	82.8	83.1	86.3	87.8	87.9	89.2	91.2	91.2	91.4	91.8	92.3	92.5
≥ 100	65.0	75.2	78.7	80.2	83.7	84.0	87.6	89.7	89.9	91.5	94.5	94.5	95.0	95.6	96.4	96.9
≥ 50	65.0	75.2	78.7	80.2	83.7	84.0	87.6	89.7	89.9	91.8	95.4	95.4	96.4	97.2	98.3	99.2

TOTAL NUMBER OF OBSERVATIONS 674

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

772120 CAPE ROMANZOF AFS AK

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1622-2622

ELEVATION FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	22	21	21	20	20	19	19	18	18	17
1000	13.6	13.8	13.9	14.1	14.1	14.1	14.2	14.2	14.2	14.4	14.7	14.7	14.7	14.7	14.7	14.6
2000	14.6	14.8	14.9	15.0	15.2	15.2	15.3	15.3	15.3	15.5	15.8	15.8	15.8	15.8	15.8	15.7
3000	15.2	15.4	15.5	15.7	15.8	15.8	15.9	15.9	15.9	16.2	16.4	16.4	16.4	16.4	16.4	16.5
4000	15.4	15.7	15.8	15.9	16.0	16.0	16.2	16.2	16.2	16.4	16.7	16.7	16.7	16.7	16.7	16.8
5000	15.7	15.9	16.0	16.2	16.3	16.3	16.4	16.4	16.4	16.7	16.9	16.9	16.9	16.9	16.9	17.0
6000	15.8	17.0	17.2	17.3	17.4	17.4	17.5	17.5	17.5	17.8	18.0	18.0	18.0	18.0	18.0	18.2
7000	16.9	17.2	17.3	17.4	17.5	17.5	17.7	17.7	17.7	17.9	18.2	18.2	18.2	18.2	18.2	18.3
8000	17.5	17.8	17.9	18.0	18.2	18.2	18.3	18.3	18.3	18.5	18.8	18.8	18.8	18.8	18.8	18.9
9000	21.3	21.6	21.8	21.9	22.0	22.0	22.1	22.1	22.1	22.4	22.6	22.6	22.6	22.6	22.6	22.8
10000	22.1	22.5	22.6	22.6	22.9	22.9	23.0	23.0	23.0	23.3	23.5	23.5	23.5	23.5	23.5	23.6
11000	23.0	23.4	23.5	23.6	23.8	23.8	23.9	23.9	23.9	24.4	24.6	24.6	24.6	24.6	24.6	24.6
12000	23.5	23.9	24.0	24.1	24.3	24.3	24.4	24.4	24.4	24.9	25.1	25.1	25.1	25.1	25.1	25.2
13000	24.9	25.2	25.4	25.5	25.6	25.6	25.7	25.7	25.7	26.2	26.5	26.5	26.5	26.5	26.5	26.6
14000	26.1	26.6	26.7	26.9	27.0	27.0	27.1	27.1	27.1	27.6	27.9	27.9	27.9	27.9	27.9	28.0
15000	25.4	29.0	29.4	29.5	29.6	29.6	30.1	30.1	30.1	30.6	30.8	30.8	31.0	31.0	31.0	31.1
16000	30.1	30.8	31.2	31.3	31.5	31.5	32.0	32.0	32.0	32.5	32.7	32.7	32.8	32.8	32.8	33.0
17000	33.6	34.3	34.7	34.8	35.1	35.1	35.7	35.7	35.7	36.2	36.4	36.4	36.6	36.6	36.6	36.7
18000	34.3	35.2	35.6	35.7	35.9	35.9	36.6	36.6	36.6	37.1	37.3	37.3	37.4	37.4	37.4	37.6
19000	39.2	40.4	40.8	41.0	41.3	41.3	41.9	41.9	41.9	42.4	42.7	42.7	42.8	42.8	42.8	42.9
20000	46.0	48.6	49.1	49.8	50.1	50.1	50.7	50.7	50.7	51.2	51.5	51.5	51.6	51.6	51.6	51.7
21000	50.2	53.1	53.6	55.0	55.6	55.7	56.3	56.3	56.3	56.8	57.1	57.1	57.2	57.2	57.2	57.3
22000	52.1	55.5	56.2	57.6	58.3	58.5	59.2	59.3	59.3	59.8	60.1	60.1	60.2	60.2	60.2	60.3
23000	53.6	57.7	58.6	60.1	60.8	60.9	61.7	61.8	61.8	62.3	62.6	62.6	62.7	62.7	62.7	62.8
24000	54.0	58.8	59.8	61.3	62.2	62.3	63.1	63.2	63.2	64.1	64.3	64.3	64.4	64.4	64.4	64.6
25000	57.2	62.6	63.8	65.5	66.4	66.5	67.3	67.4	67.4	68.3	68.8	68.8	68.9	68.9	68.9	69.0
26000	60.9	67.9	69.5	71.9	73.0	73.1	74.3	74.4	74.5	75.4	75.9	75.9	76.0	76.0	76.0	76.1
27000	63.7	72.0	74.0	77.0	79.0	79.2	80.8	81.3	81.6	83.0	83.5	83.5	83.6	83.6	83.6	83.8
28000	64.7	73.8	76.4	79.5	81.7	82.0	84.0	84.7	85.0	86.8	87.8	87.8	87.9	87.9	87.9	88.2
29000	65.3	75.0	75.0	81.5	84.2	84.5	86.9	87.8	88.1	90.3	91.8	91.8	91.9	91.9	92.0	92.3
30000	65.4	75.2	78.4	82.1	85.0	85.2	88.3	89.2	90.2	93.2	95.4	95.4	95.6	95.8	96.0	96.5
31000	65.5	75.4	78.5	82.2	85.1	85.3	88.4	89.3	90.3	93.4	97.0	97.0	98.3	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 874

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

702125 CAPE ROMANZOF AFS AK

73-81

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1977-1978

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	16.0	16.1	16.4	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
≥ 20000	17.0	17.1	17.3	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
≥ 18000	18.0	18.1	18.3	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
≥ 16000	18.0	18.1	18.3	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
≥ 14000	18.1	18.2	18.5	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 12000	18.3	18.5	18.7	18.8	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
≥ 10000	19.2	19.5	19.7	19.8	19.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 9000	19.6	19.8	20.1	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
≥ 8000	20.3	20.6	20.8	20.9	20.9	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 7000	22.4	22.7	22.9	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 6000	23.3	23.7	23.9	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
≥ 5000	23.9	24.4	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 4500	24.2	24.7	24.9	25.0	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 4000	28.6	29.2	29.5	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 3500	31.0	31.7	32.0	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 3000	31.8	32.6	32.8	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 2500	34.0	34.8	35.1	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 2000	38.9	39.8	40.0	40.3	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 1800	39.0	39.9	40.1	40.4	40.5	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 1600	42.4	44.0	44.2	44.5	44.6	44.7	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 1400	44.7	52.2	52.7	53.2	53.3	53.8	54.0	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 1200	53.4	56.5	57.1	57.7	58.0	58.5	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1000	55.8	59.2	60.0	61.1	61.5	62.0	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 900	57.2	61.0	61.7	62.6	63.2	63.7	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 800	59.1	63.1	63.8	65.1	65.4	65.9	66.5	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 700	61.8	67.0	68.7	69.6	70.6	71.1	71.7	71.9	72.0	72.2	72.2	72.2	72.2	72.4	72.4	72.4
≥ 600	64.7	70.5	72.2	74.1	75.2	75.7	76.3	76.6	76.7	77.2	77.2	77.2	77.2	77.3	77.3	77.3
≥ 500	67.3	75.0	77.3	79.9	82.0	82.8	84.3	85.1	85.3	86.0	86.2	86.2	86.2	86.4	86.4	86.5
≥ 400	68.3	76.1	78.7	81.8	84.4	85.3	87.1	88.1	88.5	89.6	89.8	89.8	89.8	90.0	90.1	90.2
≥ 300	69.1	77.7	80.4	83.6	86.5	87.5	89.6	90.7	91.7	93.1	93.8	93.8	93.8	94.1	94.1	94.2
≥ 200	67.4	78.3	81.4	84.8	87.7	88.7	91.2	92.8	93.9	95.9	97.1	97.1	97.3	97.4	97.4	97.6
≥ 100	69.4	78.3	81.4	84.8	87.7	88.7	91.2	92.8	93.9	96.0	98.1	98.1	98.6	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

740120 CAPE ROMANZOF AFS AK

73-81

1003

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-1400

		VISIBILITY - STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	FEET	15.5	15.9	15.9	15.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
8000	FEET	17.1	17.4	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
6000	FEET	18.2	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
4000	FEET	19.3	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
2000	FEET	19.6	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
1000	FEET	18.8	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
800	FEET	19.3	19.3	19.3	19.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
600	FEET	19.3	19.7	19.7	19.7	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
400	FEET	19.7	20.1	20.1	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
200	FEET	21.4	22.3	22.3	22.3	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
100	FEET	22.4	22.9	22.9	22.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
50	FEET	23.3	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
25	FEET	23.9	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
10	FEET	28.1	28.6	28.6	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
5	FEET	29.7	30.3	30.3	30.3	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
2	FEET	31.8	32.7	32.7	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
1	FEET	36.6	37.5	37.5	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
0	FEET	40.1	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
0	FEET	40.5	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
0	FEET	40.2	46.9	47.1	47.1	47.2	47.2	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
0	FEET	51.8	54.8	55.3	55.7	56.3	56.3	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9
0	FEET	55.6	59.6	60.4	60.9	61.8	62.0	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
0	FEET	57.7	63.5	64.4	65.1	66.0	66.3	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
0	FEET	60.1	65.2	66.3	66.9	67.8	68.1	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
0	FEET	61.8	67.6	68.6	69.4	70.7	71.0	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
0	FEET	65.5	72.0	73.6	74.8	76.5	76.7	77.5	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
0	FEET	67.8	75.7	78.0	79.2	81.0	81.3	82.4	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
0	FEET	70.3	79.9	82.6	84.3	86.4	86.9	88.1	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
0	FEET	71.8	81.4	84.2	86.0	88.2	88.9	90.3	91.4	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9
0	FEET	71.6	82.5	85.2	87.2	89.5	90.2	91.8	92.8	92.9	93.6	94.1	94.1	94.1	94.1	94.1	94.1
0	FEET	70.2	83.7	86.5	88.6	91.4	92.0	93.7	95.3	95.7	96.6	97.6	97.8	97.9	97.9	97.9	98.0
0	FEET	72.2	83.8	86.7	88.6	91.5	92.2	93.9	95.4	95.8	97.0	98.6	98.8	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 765

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

700120

CAPE ROMANZOF AFS AK

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

		VISIBILITY - STATUTE MILES															
CEILING - FEET		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.1	13.1	13.1	
900	FEET	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	14.1	14.2	14.2	
800	FEET	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	15.0	15.2	15.2	
700	FEET	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.5	15.7	15.7	
600	FEET	15.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.7	15.8	15.8	
500	FEET	16.3	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.9	17.1	17.1	
400	FEET	17.6	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	18.2	18.4	18.4	
300	FEET	17.9	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.7	18.8	18.8	
200	FEET	20.1	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	21.2	21.4	21.4	
100	FEET	20.4	21.2	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.7	21.8	21.8	
0	FEET	20.6	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.8	22.0	22.0	
1000	FEET	21.2	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.5	22.6	22.6	
900	FEET	27.4	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.6	28.8	28.8	
800	FEET	29.7	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.6	31.9	31.9	
700	FEET	31.0	32.6	32.6	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.4	33.5	33.5	
600	FEET	36.1	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.4	38.6	38.6	
500	FEET	39.7	41.3	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.2	42.4	42.4	
400	FEET	41.1	43.2	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.3	44.3	
300	FEET	40.7	49.2	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.2	50.3	50.3	
200	FEET	53.0	56.2	56.2	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	59.3	59.5	59.5	
100	FEET	58.1	61.6	61.6	63.6	63.6	64.7	64.7	65.3	65.7	65.7	66.1	66.1	66.5	66.6	66.6	
0	FEET	60.8	64.2	64.2	66.3	66.3	67.6	67.6	68.2	68.5	68.5	69.0	69.0	69.3	69.5	69.5	
1000	FEET	61.9	65.8	65.8	67.9	67.9	69.1	69.1	69.8	70.1	70.1	70.6	70.6	70.9	71.2	71.2	
900	FEET	63.1	67.6	67.6	69.9	69.9	71.2	71.2	71.8	72.2	72.2	72.6	72.6	72.9	73.1	73.1	
800	FEET	65.7	70.9	70.9	73.9	73.9	75.2	75.2	75.8	76.1	76.1	76.6	76.6	76.9	77.1	77.1	
700	FEET	67.7	74.1	74.1	77.4	77.4	78.6	78.6	79.4	79.9	79.9	80.5	80.5	80.9	81.0	81.0	
600	FEET	70.3	78.6	78.6	83.2	83.2	85.8	85.8	86.7	87.8	87.8	88.4	88.4	88.6	88.9	89.2	
500	FEET	71.0	80.1	80.1	84.7	84.7	88.0	88.0	89.4	90.7	90.7	91.3	91.3	91.5	91.8	92.1	
400	FEET	71.4	81.0	81.0	86.1	86.1	89.9	89.9	90.2	91.8	91.8	93.0	93.0	94.5	94.5	94.5	
300	FEET	71.4	81.0	81.0	86.1	86.1	90.3	90.3	90.7	92.7	92.7	94.0	94.0	94.8	96.2	96.2	
200	FEET	71.4	81.0	81.0	86.1	86.1	90.3	90.3	90.7	92.7	92.7	94.0	94.0	94.8	96.2	96.2	
100	FEET	71.4	81.0	81.0	86.1	86.1	90.3	90.3	90.7	92.7	92.7	94.0	94.0	94.8	96.2	96.2	

TOTAL NUMBER OF OBSERVATIONS 632

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 2123  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-74,77-81  
YEAR

AW5  
USC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1933-1939  
NO.

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	27	21	21	21	21	21	21	21	21	21
21000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
21800	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
21600	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
21400	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
21200	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
21000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
20800	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
20600	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
20400	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
20200	19.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
20000	19.7	19.8	19.8	20.2	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
19800	19.8	20.0	20.0	20.4	20.4	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
19600	20.8	21.2	21.2	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
19400	26.1	26.7	26.7	27.0	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
19200	29.7	30.6	30.6	31.0	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
19000	31.8	33.6	33.8	35.0	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
18800	36.9	39.5	39.7	40.8	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
18600	40.6	43.3	43.7	44.8	45.0	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
18400	41.0	43.9	44.2	45.4	45.6	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
18200	45.0	48.2	48.6	49.9	50.1	50.1	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
18000	52.4	55.8	56.1	57.5	57.7	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
17800	55.2	59.4	60.3	61.8	62.2	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
17600	57.3	62.2	63.5	65.0	65.4	65.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5
17400	57.7	63.3	64.7	66.2	66.5	66.5	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1
17200	58.8	64.8	66.2	67.7	68.6	68.6	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1
17000	61.2	68.4	69.9	71.5	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7
16800	63.9	72.0	73.9	75.6	77.7	77.7	79.4	79.4	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8
16600	66.5	75.8	78.6	81.3	83.7	83.7	86.0	86.2	86.2	86.2	86.2	86.8	86.8	87.1	87.1	87.1
16400	67.1	77.1	80.0	82.6	85.8	85.8	88.3	88.8	88.8	88.8	88.8	90.2	90.2	90.5	90.5	90.5
16200	67.1	77.5	80.3	83.2	86.8	86.8	89.2	90.4	90.4	90.4	90.5	92.6	92.6	93.4	93.4	93.4
16000	67.1	77.9	81.1	83.9	87.7	87.7	90.5	91.7	91.7	91.7	91.9	94.9	95.1	96.0	96.0	96.8
15800	67.1	77.9	81.1	83.9	87.7	87.7	90.5	91.7	91.9	92.2	95.5	95.7	97.0	97.2	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 529

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

74-81  
YEAR

ANG  
MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2100  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. OF OBS.	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
≥ 2000	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
≥ 1800	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
≥ 1600	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
≥ 1400	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
≥ 1200	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
≥ 1000	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
≥ 900	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 800	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 700	23.1	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 600	23.3	23.8	23.8	23.8	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 500	25.6	26.3	26.5	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 450	26.0	26.6	26.8	26.8	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 400	29.6	30.3	30.4	30.4	30.4	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 350	32.9	33.9	34.1	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 300	35.4	36.8	37.1	37.1	37.1	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 250	38.6	41.1	41.4	41.4	41.4	41.8	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 200	42.1	44.8	45.3	45.8	46.1	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 180	43.9	46.8	47.3	47.8	48.1	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 150	46.3	50.1	50.9	51.6	51.9	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 120	50.4	55.1	56.1	56.7	57.1	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 100	53.1	58.2	59.2	60.1	60.7	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 90	55.7	61.4	62.4	63.2	63.9	64.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 80	57.1	63.7	64.7	65.6	66.4	66.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 70	58.9	66.1	67.2	68.1	70.0	70.4	71.5	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 60	60.7	68.4	69.7	70.7	73.2	73.5	74.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 50	63.7	72.9	75.5	76.9	79.7	80.0	81.9	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 40	65.1	75.2	78.4	80.4	84.5	84.9	87.0	87.7	87.9	88.0	89.7	89.7	89.7	89.7	89.7	89.7
≥ 30	65.9	76.4	79.5	81.5	86.7	87.0	89.2	90.0	90.2	90.7	93.0	93.0	93.0	93.0	93.0	93.0
≥ 20	66.4	76.9	80.0	82.2	87.4	87.7	89.9	90.7	90.8	91.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 10	66.7	77.2	80.4	82.5	87.9	88.2	90.3	91.2	91.3	92.7	96.0	96.0	96.2	96.2	97.2	98.0
≥ 0	66.7	77.2	80.4	82.5	87.9	88.2	90.3	91.2	91.3	92.7	96.2	96.2	96.3	96.3	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 621



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72120 CAPE ROMANZOF AFS AK

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	15.1	15.3	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.6	15.7	15.7	15.7	15.7	15.7	15.7
900	16.4	16.6	16.6	16.7	16.7	16.7	16.8	16.8	16.8	16.9	17.0	17.0	17.0	17.0	17.0	17.0
800	17.2	17.4	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.7	17.8	17.8	17.8	17.8	17.9	17.9
700	17.3	17.5	17.6	17.6	17.7	17.7	17.7	17.8	17.8	17.8	17.9	17.9	18.0	18.0	18.0	18.0
600	17.4	17.6	17.7	17.7	17.8	17.8	17.8	17.9	17.9	18.0	18.0	18.1	18.1	18.1	18.1	18.1
500	17.6	17.8	17.9	17.9	18.0	18.0	18.0	18.0	18.0	18.1	18.2	18.2	18.2	18.3	18.3	18.3
400	18.3	18.5	18.6	18.6	18.7	18.7	18.7	18.8	18.8	18.8	18.9	18.9	19.0	19.0	19.0	19.0
300	19.1	19.3	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.6	19.7	19.7	19.7	19.8	19.8	19.8
200	19.7	19.9	20.0	20.1	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.4	20.4	20.4	20.4	20.4
100	21.8	22.2	22.3	22.3	22.4	22.4	22.4	22.4	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.7
000	22.4	22.8	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.2	23.3	23.3	23.3	23.4	23.4	23.4
500	23.3	23.7	23.8	23.9	24.0	24.0	24.1	24.1	24.1	24.2	24.3	24.3	24.3	24.4	24.4	24.4
400	23.8	24.3	24.4	24.5	24.5	24.6	24.7	24.7	24.7	24.8	24.9	24.9	24.9	25.0	25.0	25.0
300	27.5	28.0	28.2	28.3	28.3	28.4	28.5	28.5	28.5	28.6	28.7	28.7	28.7	28.7	28.7	28.8
200	29.7	30.6	30.7	30.9	30.9	31.0	31.1	31.1	31.2	31.3	31.3	31.3	31.3	31.3	31.4	31.4
100	31.7	33.1	33.3	33.5	33.6	33.6	33.8	33.8	33.8	33.9	34.0	34.0	34.1	34.1	34.1	34.1
000	34.9	36.6	36.9	37.1	37.2	37.2	37.5	37.5	37.5	37.7	37.7	37.7	37.8	37.8	37.8	37.8
500	38.6	40.4	40.7	41.0	41.2	41.2	41.6	41.6	41.6	41.7	41.8	41.8	41.8	41.9	41.9	41.9
400	39.4	41.3	41.6	41.9	42.2	42.2	42.5	42.6	42.6	42.7	42.8	42.8	42.8	42.9	42.9	42.9
300	43.4	45.8	46.2	46.6	46.8	46.9	47.3	47.3	47.3	47.5	47.5	47.5	47.6	47.6	47.6	47.6
200	49.6	52.9	53.5	54.2	54.5	54.7	55.2	55.3	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6
100	53.1	57.1	57.9	58.8	59.5	59.6	60.2	60.3	60.3	60.5	60.6	60.6	60.7	60.7	60.7	60.7
000	55.4	59.9	60.8	61.8	62.5	62.6	63.4	63.5	63.5	63.8	63.9	63.9	63.9	64.0	64.0	64.0
500	56.7	61.9	62.8	63.8	64.5	64.7	65.6	65.7	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.2
400	58.2	63.8	64.8	65.8	66.9	67.1	68.0	68.2	68.2	68.6	68.7	68.7	68.7	68.7	68.8	68.8
300	61.7	67.4	68.6	69.9	71.3	71.5	72.4	72.7	72.7	73.1	73.2	73.2	73.2	73.3	73.3	73.3
200	64.0	71.7	73.6	75.1	76.7	76.9	78.2	78.5	78.5	79.0	79.2	79.2	79.3	79.3	79.4	79.4
100	66.5	75.7	78.2	80.3	82.7	83.0	84.7	85.4	85.5	86.1	86.9	86.9	87.3	87.0	87.1	87.2
000	67.3	77.0	79.7	82.0	85.0	85.3	87.4	88.2	88.4	89.2	90.3	90.3	90.3	90.5	90.6	90.7
500	67.8	77.8	80.7	83.1	86.5	86.9	89.2	90.3	90.5	91.6	93.4	93.4	93.5	93.6	93.9	94.1
400	67.9	78.3	81.2	83.7	87.3	87.7	90.4	91.7	92.2	93.7	96.1	96.2	96.5	96.7	97.1	97.5
300	68.0	78.3	81.3	83.8	87.3	87.8	90.5	91.8	92.2	93.9	96.9	96.9	97.7	97.9	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

5715

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2120 CAPE ROMANZOF AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1977-1979

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
20000	23.9	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
18000	24.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
16000	25.2	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
14000	26.1	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
12000	26.1	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
10000	26.2	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
8000	26.2	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
6000	26.7	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
4000	28.8	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
2000	30.9	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
1000	31.8	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
500	33.5	34.5	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
400	35.0	36.1	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
300	37.0	38.0	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
200	41.1	41.1	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
100	43.1	44.9	45.7	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
80	47.2	49.5	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
60	52.4	55.4	55.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
40	54.7	58.0	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
20	60.3	64.1	64.6	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
10	63.3	68.2	69.0	69.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
5	66.0	72.5	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3	66.9	73.8	74.8	74.8	75.7	75.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
2	69.1	76.3	77.3	77.4	78.9	78.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1	70.3	77.8	78.9	79.2	80.9	80.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
0.5	71.7	80.3	82.0	82.4	84.4	84.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
0.25	73.2	83.0	85.2	85.7	88.6	88.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0.1	75.2	86.1	88.7	89.2	92.9	92.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
0.05	75.4	86.4	89.1	89.6	93.5	93.5	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
0.025	75.4	86.4	89.1	89.6	93.6	93.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0.01	75.4	86.6	89.4	90.0	93.9	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0.005	75.4	86.6	89.4	90.0	93.9	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 771

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 2120

CAPE ROMANZOF AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	20.0	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
1800	20.8	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
1600	21.1	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
1400	21.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1200	22.3	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
1000	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
800	22.6	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
600	23.0	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
400	25.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
200	27.1	28.3	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
000	28.3	29.6	29.8	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
5000	30.6	31.8	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
4500	32.1	33.6	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
4000	34.5	36.1	36.3	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
3500	36.8	38.6	38.8	38.8	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
3000	39.8	42.1	42.3	42.6	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
2500	43.1	45.7	46.1	46.3	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2000	45.6	51.9	52.4	52.7	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1500	51.7	55.7	56.3	56.6	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
1000	56.3	61.4	62.4	62.7	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
500	63.2	68.8	69.9	70.2	70.9	70.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
000	65.5	72.5	73.8	74.3	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
5000	67.0	74.0	75.9	76.4	77.4	77.4	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
4500	68.5	75.9	78.3	78.8	80.3	80.3	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3
4000	69.7	77.5	80.3	81.0	82.8	82.8	83.4	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
3500	71.5	79.5	83.7	84.0	86.0	86.0	86.6	86.9	86.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4
3000	72.0	82.3	86.8	87.8	90.1	90.1	90.8	91.1	91.1	91.8	91.9	91.9	91.9	91.9	91.9	91.9
2500	72.5	83.5	88.1	89.4	92.5	92.5	93.3	93.8	93.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8
2000	72.8	84.3	89.0	90.4	93.5	93.6	94.4	94.9	94.9	95.9	96.1	96.1	96.3	96.3	96.4	96.4
1500	72.9	84.4	89.3	90.8	94.0	94.1	94.9	95.5	95.6	96.8	97.0	97.0	97.3	97.3	97.6	97.6
1000	73.0	84.5	89.4	91.0	94.3	94.4	95.1	95.8	95.9	97.6	98.0	98.0	98.9	98.9	99.3	99.5
500	73.0	84.5	89.4	91.0	94.3	94.4	95.1	95.8	95.9	97.8	98.1	98.1	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 801

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2120 CAPE ROMANZOF AFS AK

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1622-2822

CEILING FEET	VISIBILITY - STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
20000	13.0	13.2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
18000	13.3	14.1	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
16000	14.3	15.2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14000	14.6	15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
12000	14.7	15.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
10000	15.2	16.3	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
8000	15.5	16.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
6000	15.8	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
4000	17.5	18.7	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
2000	19.3	20.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
1000	20.1	21.6	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
800	22.9	24.6	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
600	25.1	26.9	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
400	28.2	30.2	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
200	31.2	33.3	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
100	33.9	36.2	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
80	38.7	41.3	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
60	44.3	46.9	47.6	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
40	46.0	48.8	49.5	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
20	52.0	56.1	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
10	61.1	66.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
8	66.6	72.7	74.1	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
6	68.6	75.2	76.8	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
4	69.7	77.1	78.7	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2	70.6	78.3	79.9	79.9	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
1	72.8	81.8	83.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
0.5	74.4	83.9	86.3	86.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
0.2	75.4	86.3	88.9	88.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
0.1	75.4	86.3	89.5	89.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0.05	75.4	86.8	90.3	90.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
0.02	75.6	87.0	90.5	90.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
0.01	75.6	87.0	90.5	90.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEAR

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
≥ 2000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
≥ 1800	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
≥ 1500	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
≥ 1400	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
≥ 1200	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
≥ 1000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
≥ 900	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
≥ 800	20.3	20.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 700	22.9	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 600	24.5	24.8	25.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 500	26.0	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 450	27.1	27.4	27.9	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 400	31.0	31.4	31.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 350	33.1	33.5	34.0	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 300	35.4	36.1	36.7	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 250	40.2	41.2	41.8	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 200	46.3	47.8	48.4	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 180	47.2	48.7	49.3	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 150	55.9	57.8	58.5	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 120	62.8	65.4	66.1	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 100	70.0	73.8	74.7	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 90	73.0	77.1	78.0	78.1	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 80	74.6	79.2	80.2	80.3	80.8	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 70	75.1	79.8	80.8	81.1	81.7	81.8	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 60	76.8	82.4	83.8	84.2	84.9	85.1	85.6	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 50	78.5	84.7	86.3	86.8	87.7	87.8	88.4	88.4	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 40	79.8	87.3	89.5	90.2	91.2	91.3	91.9	92.2	92.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 30	80.1	88.0	90.5	91.2	92.5	92.7	93.5	93.8	93.9	94.5	94.8	94.8	94.8	94.8	94.8	94.8
≥ 20	81.6	88.7	91.4	92.4	94.4	94.8	95.8	96.0	96.1	96.9	97.1	97.1	97.3	97.3	97.3	97.3
≥ 10	80.6	88.8	91.5	92.5	94.6	95.1	96.1	96.5	96.9	97.6	98.3	98.3	98.5	98.5	98.8	99.0
≥ 0	80.6	88.8	91.5	92.5	94.6	95.1	96.1	96.5	96.9	97.6	98.3	98.3	98.6	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 873

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-1120 CAPE ROMANZOF AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥10000	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
≥8000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
≥6000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
≥4000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
≥2000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
≥1000	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
≥800	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥600	17.5	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
≥400	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥200	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥100	23.4	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥80	25.7	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥60	26.7	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥40	29.9	30.4	30.4	30.4	30.6	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥20	31.5	32.1	32.1	32.1	32.2	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥10	34.3	35.2	35.2	35.4	35.5	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥8	40.0	41.0	41.0	41.3	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥6	46.5	47.8	47.8	48.1	48.6	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥4	47.7	49.0	49.0	49.2	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥2	54.9	56.5	56.5	56.8	57.3	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥1	61.9	64.7	65.2	65.5	66.0	66.2	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥0.5	70.3	73.8	74.8	75.7	76.2	76.5	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥0.25	73.3	77.6	78.6	79.5	80.1	80.3	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥0.1	74.3	79.7	80.7	81.6	82.1	82.4	82.6	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥0.05	75.8	80.8	82.0	82.9	83.5	83.8	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥0.025	78.6	84.5	85.8	86.8	88.0	88.2	88.6	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥0.01	80.6	87.0	88.2	89.6	91.0	91.3	91.7	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥0.005	82.4	89.3	90.8	92.2	93.9	94.1	94.6	94.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥0.0025	82.7	89.8	91.3	92.7	94.4	94.6	95.1	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥0.001	83.3	90.3	91.8	93.2	95.0	95.3	95.9	96.4	96.5	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥0.0005	83.2	90.5	92.1	93.6	95.5	95.8	96.7	97.3	97.6	98.5	99.0	99.0	99.0	99.1	99.1	99.1
≥0.00025	83.2	90.5	92.1	93.6	95.5	95.8	96.7	97.3	97.6	98.5	99.0	99.0	99.0	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 782

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7.0120

CAPE ROMANZOF AFS AK

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

		VISIBILITY STATUTE MILES															
		30	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
900	FEET	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
800	FEET	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
700	FEET	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
600	FEET	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
500	FEET	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
400	FEET	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
300	FEET	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
200	FEET	23.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
100	FEET	24.9	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
0	FEET	26.6	27.0	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
100	FEET	28.6	29.0	29.0	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
200	FEET	30.6	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
300	FEET	31.2	32.0	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
400	FEET	33.6	34.6	34.6	34.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
500	FEET	36.2	39.2	39.2	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
600	FEET	44.9	46.2	46.5	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
700	FEET	46.1	47.6	47.9	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
800	FEET	52.9	55.5	55.8	55.9	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
900	FEET	61.1	64.8	65.2	65.4	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
1000	FEET	67.8	72.7	73.7	74.0	74.8	75.0	75.4	75.7	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0
1100	FEET	71.0	76.5	78.0	78.3	79.4	79.5	80.1	80.5	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8
1200	FEET	72.1	77.8	79.4	79.7	81.1	81.4	82.0	82.5	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.0
1300	FEET	73.1	79.5	81.4	81.7	83.1	83.4	84.0	84.5	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1
1400	FEET	75.0	82.4	84.7	85.3	86.7	87.0	87.7	88.3	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8
1500	FEET	77.0	84.8	87.4	88.1	90.4	90.7	91.7	92.3	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.0
1600	FEET	78.1	86.6	89.7	90.8	93.1	93.6	95.0	95.6	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3
1700	FEET	79.7	87.4	90.6	91.7	94.3	94.7	96.3	97.0	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0
1800	FEET	73.8	87.6	90.7	91.8	94.7	95.3	96.9	97.6	97.9	98.1	98.9	98.9	98.9	98.9	98.9	98.9
1900	FEET	78.8	87.6	90.7	91.8	94.7	95.3	96.9	97.7	98.0	98.7	99.4	99.4	99.4	99.4	99.7	99.7
2000	FEET	75.8	87.6	90.7	91.8	94.7	95.3	96.9	97.7	98.0	98.7	99.4	99.4	99.4	99.4	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 699

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

73-120 CAPE ROMANZOF AFS AK

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

		VISIBILITY - STATUTE MILES															
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
1000	1000	13.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
1000	1000	15.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
1000	1000	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
1000	1000	16.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1000	1000	16.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1000	1000	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
1000	1000	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
1000	1000	20.4	21.2	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
1000	1000	24.5	25.3	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
1000	1000	25.5	26.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
1000	1000	28.3	29.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
1000	1000	28.8	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
1000	1000	30.9	31.9	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
1000	1000	32.9	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
1000	1000	36.0	37.5	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
1000	1000	39.7	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
1000	1000	47.1	49.6	50.4	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1000	1000	49.0	51.8	52.5	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
1000	1000	57.0	60.3	61.3	61.5	61.9	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
1000	1000	63.6	67.9	68.9	69.1	69.6	69.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
1000	1000	70.6	75.9	77.0	77.4	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
1000	1000	73.0	79.6	81.3	81.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
1000	1000	73.3	80.2	82.3	82.9	83.9	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
1000	1000	73.3	80.7	83.1	83.7	84.6	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
1000	1000	73.9	81.9	84.2	85.0	86.0	86.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1000	1000	75.1	83.3	85.8	86.8	88.3	88.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1000	1000	76.3	84.8	87.5	89.1	90.9	90.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1000	1000	76.3	85.0	87.9	89.7	92.2	92.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1000	1000	76.3	85.2	88.1	89.9	92.4	92.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
1000	1000	76.3	85.4	88.3	90.3	92.8	92.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1000	1000	76.3	85.4	88.3	90.3	92.8	92.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 214





GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-2120 CAPE ROMANZOF AFS AK

73-61

SLE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	15.3	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
900	17.7	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
800	18.4	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
700	19.1	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
600	19.2	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
500	19.4	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
400	19.9	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
300	20.4	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
200	22.6	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
100	25.0	25.8	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
50	26.2	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
25	28.3	29.2	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
10	29.8	30.7	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
5	32.3	33.4	33.7	33.7	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2	34.4	35.7	36.0	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
1	37.1	38.7	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
0	41.7	43.2	43.6	43.7	43.9	43.9	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
0.5	47.3	49.7	50.1	50.3	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
0.25	49.1	51.7	52.2	52.3	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
0.1	55.8	59.1	59.7	59.8	60.2	60.2	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
0.05	62.4	66.7	67.6	67.7	68.2	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
0.025	67.7	73.3	74.4	74.8	75.4	75.5	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
0.01	69.9	76.0	77.4	77.7	78.5	78.6	79.0	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4
0.005	71.3	77.8	79.4	79.8	80.8	80.9	81.4	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0025	72.1	79.0	80.7	81.2	82.3	82.4	83.0	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5
0.001	73.7	81.7	83.9	84.5	86.0	86.1	86.8	87.0	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5
0.0005	75.2	83.9	86.5	87.4	89.3	89.4	90.3	90.5	90.5	91.0	91.1	91.1	91.2	91.2	91.2	91.2
0.00025	76.6	86.1	89.7	90.2	92.4	92.5	93.5	94.0	94.1	94.6	94.9	94.9	94.9	94.9	94.9	94.9
0.0001	75.8	86.6	89.7	90.9	93.4	93.5	94.7	95.3	95.3	96.7	96.4	96.4	96.5	96.5	96.6	96.6
0.00005	77.0	86.9	90.1	91.4	94.1	94.3	95.5	96.1	96.2	97.0	97.6	97.6	97.8	97.8	97.9	97.9
0.000025	77.1	87.0	90.3	91.6	94.4	94.6	95.9	96.5	96.7	97.9	98.7	98.8	99.1	99.2	99.4	99.6
0.00001	77.1	87.0	90.3	91.6	94.4	94.6	95.9	96.5	96.7	97.9	98.8	98.8	99.2	99.2	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 5766

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-2120 CAPE ROMANZOF AFS AK

73-81

0CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

222-2270

		VISIBILITY, STATUTE MILES															
		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
0-100	24.3	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
100-200	25.5	25.5	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
200-300	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
300-400	26.1	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
400-500	26.3	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
500-600	26.3	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
600-700	26.5	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
700-800	28.3	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
800-900	31.9	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
900-1000	31.8	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
1000-1200	35.0	35.8	36.3	36.4	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
1200-1400	37.3	38.5	39.0	39.1	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
1400-1600	39.9	41.1	41.6	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
1600-1800	42.2	43.6	44.3	44.4	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
1800-2000	47.1	49.5	50.7	50.1	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2000-2200	53.5	56.8	57.5	57.8	58.7	58.7	58.9	59.0	59.1	59.3	59.5	59.7	59.8	59.8	59.8	59.8	59.8
2200-2400	57.0	61.0	61.9	62.3	63.3	63.5	63.6	63.8	64.0	64.8	64.9	65.2	65.3	65.3	65.3	65.3	65.3
2400-2600	58.5	62.9	64.0	64.3	65.5	65.7	65.8	66.0	66.1	67.0	67.1	67.4	67.7	67.7	67.7	67.7	67.7
2600-2800	61.7	66.7	68.1	68.6	69.8	69.9	70.3	70.5	70.6	71.7	71.8	72.1	72.5	72.5	72.5	72.5	72.5
2800-3000	64.8	70.3	71.6	72.5	73.8	74.0	74.6	75.0	75.1	76.2	76.5	76.7	77.2	77.2	77.2	77.2	77.2
3000-3200	65.9	72.0	73.9	75.0	76.6	76.8	77.4	77.8	77.9	79.0	79.2	79.5	80.0	80.0	80.0	80.0	80.0
3200-3400	66.1	72.3	74.5	75.6	77.3	77.5	78.3	78.6	78.8	79.9	80.3	80.6	81.1	81.1	81.1	81.1	81.1
3400-3600	67.2	73.9	76.3	77.4	79.1	79.4	80.3	80.9	81.1	82.3	82.8	83.0	83.5	83.5	83.5	83.5	83.5
3600-3800	67.7	74.4	76.8	78.0	80.1	80.3	81.3	82.5	82.6	84.2	85.0	85.2	85.7	85.7	85.7	85.7	85.7
3800-4000	68.3	75.4	77.8	79.4	81.7	81.9	83.7	85.1	85.2	87.0	87.9	88.1	88.6	88.6	88.6	88.6	88.6
4000-4200	68.7	76.0	78.6	80.6	83.6	83.9	85.7	87.1	87.3	89.2	90.0	90.3	90.8	90.8	90.8	90.8	90.8
4200-4400	69.4	76.9	79.7	81.7	85.3	85.6	87.5	89.1	89.2	91.7	93.3	93.6	94.3	94.3	94.3	94.3	94.3
4400-4600	69.4	76.9	79.7	81.7	85.6	85.8	87.7	89.3	89.4	92.5	94.3	94.5	95.9	95.9	95.9	95.9	95.9
4600-4800	69.4	76.9	79.7	81.7	85.6	85.8	87.9	89.4	89.6	93.0	94.8	95.0	96.5	96.5	96.5	96.5	96.5
4800-5000	69.4	76.9	79.7	81.7	85.7	85.9	88.0	89.6	89.7	93.1	95.3	95.5	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 624

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

770120 CAPE ROMANZOF AFS AK

73-81

267

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

337-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	26.4	27.0	27.4	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
900	27.8	28.4	28.8	28.6	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
800	28.3	28.9	29.3	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
700	28.6	29.2	29.5	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
600	28.6	29.2	29.5	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
500	28.6	29.2	29.5	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
400	28.8	29.4	29.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
300	29.0	29.6	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
200	30.2	30.8	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
100	32.4	33.0	33.3	33.5	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
0	33.2	34.2	34.5	34.6	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
1000	35.5	36.9	37.4	37.8	38.1	38.1	38.2	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5
900	38.1	40.0	40.5	41.0	41.3	41.3	41.5	41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8
800	40.4	42.8	43.2	43.7	44.1	44.1	44.2	44.3	44.3	44.6	44.7	44.7	44.7	44.7	44.7	44.7
700	43.1	45.5	46.0	46.5	46.8	46.8	47.0	47.1	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4
600	47.4	50.4	50.9	51.4	51.7	51.7	51.9	52.1	52.0	52.4	52.6	52.6	52.6	52.6	52.6	52.6
500	51.4	55.6	56.2	56.6	57.2	57.2	57.3	57.5	57.5	57.9	58.4	58.4	58.4	58.4	58.4	58.4
400	55.3	60.7	61.4	61.9	63.3	63.4	63.6	63.7	63.7	64.3	64.8	64.8	64.9	64.9	64.9	64.9
300	56.9	62.0	62.7	63.3	64.8	64.9	65.1	65.2	65.2	65.8	66.3	66.3	66.4	66.4	66.4	66.4
200	60.5	66.3	67.5	68.2	70.1	70.3	70.5	70.6	70.6	71.2	71.7	71.8	72.0	72.0	72.0	72.0
100	63.8	70.4	71.9	72.6	75.1	75.3	75.6	75.9	75.9	76.6	77.1	77.2	77.4	77.4	77.4	77.4
0	64.2	71.3	73.1	74.1	76.7	76.8	77.2	77.5	77.5	78.4	78.9	79.0	79.2	79.2	79.2	79.2
1000	64.9	72.0	74.0	75.1	77.8	77.9	78.5	78.9	78.9	79.7	80.3	80.4	80.6	80.6	80.6	80.6
900	66.1	73.4	75.6	76.9	79.7	79.8	80.5	80.9	80.9	81.8	82.4	82.6	82.8	82.8	82.8	82.8
800	66.5	74.1	76.9	78.3	81.4	81.5	82.3	82.7	82.7	83.8	84.3	84.5	84.7	84.7	84.7	84.7
700	67.3	74.9	78.1	79.7	83.2	83.3	84.3	85.1	85.1	86.3	87.1	87.2	87.5	87.5	87.5	87.5
600	67.4	75.9	79.3	81.4	85.4	85.5	86.6	87.5	87.5	89.4	90.2	90.3	91.2	91.2	91.4	91.4
500	67.5	76.2	79.7	81.7	86.1	86.3	87.7	88.8	89.0	91.0	92.7	92.8	93.9	93.9	94.1	94.1
400	67.6	76.3	79.9	82.0	86.6	86.7	88.4	89.6	90.2	92.5	94.4	94.5	95.9	95.9	96.2	96.2
300	67.6	76.3	79.9	82.0	86.6	86.7	88.4	89.6	90.3	92.8	95.1	95.2	96.8	96.9	97.4	97.4
200	67.6	76.3	79.9	82.0	86.6	86.7	88.4	89.6	90.3	93.0	95.3	95.5	97.0	97.1	98.0	98.4
100	67.6	76.3	79.9	82.0	86.6	86.7	88.4	89.6	90.3	93.0	95.3	95.5	97.1	97.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 537

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72120

CAPE ROMANZOF AFS AK

73-31

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2622-2625

		VISIBILITY STATUTE MILES															
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1000	20.3	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
900	21.0	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
800	22.1	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
700	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
600	22.7	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
500	23.3	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
400	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
300	23.7	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
200	26.0	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
100	28.4	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
50	28.8	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
20	31.2	31.5	31.7	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
10	32.6	33.1	33.2	33.2	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
5	34.3	34.7	35.0	35.1	35.2	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2	35.8	36.7	36.8	36.9	37.3	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
1	41.5	43.0	43.2	43.4	43.7	43.3	43.8	43.8	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1
0.5	46.4	48.3	48.5	48.6	49.0	49.1	49.1	49.5	49.5	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8
0.2	53.4	56.4	56.8	57.1	57.6	57.9	58.4	58.8	58.8	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3
0.1	54.4	57.6	58.1	58.4	59.0	59.4	59.9	60.3	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
0.05	61.3	65.7	66.2	66.7	67.5	68.0	68.5	68.9	68.9	69.4	69.6	69.8	69.9	70.0	70.0	70.0	70.0
0.02	64.6	69.4	70.5	71.0	72.3	72.8	73.4	74.1	74.1	74.5	74.9	74.9	75.0	75.1	75.1	75.1	75.1
0.01	67.3	72.8	74.0	74.9	76.5	76.9	77.8	78.5	78.5	79.1	79.5	79.5	79.6	79.7	79.7	79.7	79.7
0.005	68.3	74.1	75.3	76.3	77.9	78.4	79.3	80.0	80.7	80.6	81.0	81.0	81.1	81.2	81.2	81.2	81.2
0.002	66.9	74.9	76.2	77.3	79.2	79.7	80.8	81.7	81.7	82.7	83.0	83.0	83.2	83.3	83.3	83.3	83.3
0.001	69.1	75.5	77.2	78.4	80.5	81.0	82.2	83.5	83.5	84.7	85.1	85.1	85.2	85.3	85.3	85.3	85.3
0.0005	67.5	76.6	78.4	79.9	82.4	82.9	84.2	85.9	86.7	87.6	87.9	87.9	88.2	88.3	88.3	88.3	88.3
0.0002	70.4	77.7	79.7	81.4	84.7	85.2	86.6	88.3	88.4	90.6	90.9	90.9	91.3	91.4	91.4	91.4	91.4
0.0001	70.7	78.5	80.5	82.2	85.7	86.1	87.9	89.8	90.2	92.6	93.1	93.1	93.5	93.7	93.7	93.7	93.7
0.00005	70.7	78.5	80.5	82.2	85.7	86.1	87.9	89.8	90.3	92.7	93.9	93.9	94.7	94.9	95.1	95.1	95.1
0.00002	70.7	78.5	80.5	82.2	85.8	86.3	88.1	90.2	90.9	93.3	94.9	94.9	95.8	95.9	96.2	96.2	96.2
0.00001	70.7	78.5	80.5	82.2	85.8	86.3	88.1	90.2	91.0	93.5	95.6	95.6	96.8	97.1	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

637

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7.0120 CAPE ROMAN OF AFS AK

73-81

361

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1947-1950

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	17.4	18.0	18.0	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
900	18.5	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
800	19.6	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
700	19.8	21.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
600	20.2	20.8	21.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
500	20.4	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
400	21.3	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
300	21.6	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
200	24.9	25.4	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
100	28.0	28.8	28.9	28.9	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
50	29.4	29.4	29.5	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
0	30.8	31.8	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
1000	31.8	32.7	32.9	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
900	34.1	35.2	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
800	35.2	36.4	36.6	36.6	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
700	40.3	41.9	42.1	42.1	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
600	46.4	48.4	48.6	48.6	49.1	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
500	52.3	54.8	55.2	55.3	55.8	55.8	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
400	54.6	57.2	57.6	57.7	58.2	58.2	58.5	58.8	58.8	59.0	59.3	59.3	59.6	59.6	59.6	59.7
300	60.6	64.0	64.5	64.6	65.1	65.1	65.6	65.8	65.8	66.5	67.4	67.4	67.7	67.7	67.7	68.0
200	66.2	70.7	71.6	71.9	72.5	72.6	73.2	73.5	73.5	74.2	75.0	75.0	75.4	75.5	75.6	76.0
100	70.3	75.7	76.8	77.3	78.0	78.1	78.9	79.1	79.1	79.9	80.8	80.8	81.1	81.2	81.4	81.7
50	73.8	77.1	78.3	79.0	79.8	79.9	80.8	80.9	80.9	81.6	82.6	82.6	82.9	83.0	83.2	83.5
0	71.4	77.9	79.3	80.4	81.4	81.5	82.2	82.4	82.4	83.2	84.1	84.1	84.5	84.6	84.7	85.1
1000	71.7	78.6	80.0	81.1	82.1	82.2	82.9	83.2	83.2	84.0	84.9	84.9	85.3	85.4	85.5	85.9
900	72.3	79.6	81.0	82.3	83.5	83.8	84.5	84.8	84.8	85.8	86.7	86.7	87.1	87.2	87.3	87.7
800	72.8	80.9	82.6	84.0	85.4	85.7	86.9	87.3	87.3	88.5	89.5	89.5	90.1	90.2	90.3	90.7
700	72.9	81.2	83.3	84.8	86.6	86.9	88.6	89.1	89.2	90.4	91.5	91.5	92.1	92.2	92.4	92.7
600	72.9	81.2	83.3	84.9	87.0	87.2	89.0	89.8	90.0	91.4	93.1	93.1	93.9	94.0	94.1	94.6
500	73.0	81.6	83.6	85.4	87.9	88.2	90.1	91.2	91.4	93.0	94.7	94.7	96.3	96.4	96.5	97.3
400	73.0	81.6	83.6	85.4	87.9	88.2	90.1	91.4	91.6	93.4	95.7	95.7	97.6	97.6	97.8	99.2
300	73.0	81.6	83.6	85.4	87.9	88.2	90.1	91.4	91.6	93.4	95.7	95.7	97.6	97.6	97.8	99.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72120 CAPE ROMANZOF AFS AK

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
20000	16.3	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
18000	17.2	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
16000	18.8	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
14000	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
12000	20.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
10000	20.6	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
8000	21.8	22.4	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
6000	22.2	22.8	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
4000	24.2	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2000	26.6	27.3	27.3	27.3	27.5	27.5	27.5	27.8	27.8	27.8	27.8	27.9	27.9	27.9	27.9	27.9
1000	27.5	28.2	28.2	28.2	28.5	28.5	28.5	28.7	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8
500	29.5	30.5	30.5	30.5	30.7	30.7	30.7	31.0	31.0	31.0	31.0	31.1	31.2	31.2	31.2	31.2
250	30.5	31.5	31.5	31.5	31.7	31.7	31.7	31.9	31.9	31.9	31.9	32.1	32.2	32.2	32.2	32.2
100	31.3	32.3	32.3	32.3	32.5	32.5	32.7	33.0	33.0	33.0	33.0	33.3	33.4	33.4	33.4	33.4
50	32.7	33.7	33.7	33.9	34.1	34.1	34.2	34.6	34.6	34.6	34.8	34.9	34.9	34.9	34.9	34.9
25	37.9	40.1	40.1	40.2	40.6	40.6	40.7	41.0	41.0	41.0	41.4	41.5	41.5	41.5	41.5	41.5
10	44.0	46.7	46.7	46.9	47.6	47.6	47.7	48.1	48.1	48.4	48.6	48.6	48.7	48.7	48.7	48.7
5	50.6	53.7	53.7	53.9	54.8	54.8	55.4	55.7	55.7	56.1	56.2	56.2	56.5	56.5	56.5	56.5
2	52.4	55.5	55.5	55.9	56.7	56.7	57.3	57.7	57.7	58.0	58.1	58.1	58.4	58.4	58.4	58.4
1	56.4	62.4	62.7	63.0	64.0	64.0	65.1	65.6	65.6	66.4	66.5	66.5	66.7	66.7	66.7	66.7
0.5	63.4	68.8	69.5	69.9	71.1	71.1	72.1	72.6	72.6	73.6	73.7	73.7	73.9	73.9	73.9	74.2
0.25	66.9	73.2	73.9	74.4	75.7	75.7	76.8	77.3	77.3	78.2	78.3	78.3	78.6	78.6	78.6	78.8
0.15	68.2	75.7	76.4	77.2	78.6	78.6	79.7	80.4	80.4	81.3	81.5	81.5	81.7	81.7	81.7	81.9
0.1	68.4	76.6	77.5	78.2	79.8	79.8	81.1	81.9	81.9	82.9	83.0	83.0	83.3	83.3	83.3	83.5
0.05	68.9	77.2	78.1	78.8	80.6	80.6	81.9	82.9	82.9	83.9	84.0	84.0	84.2	84.2	84.2	84.4
0.025	69.6	78.2	79.4	80.3	82.1	82.1	83.4	84.3	84.7	85.6	85.8	85.8	86.0	86.0	86.0	86.2
0.015	71.1	79.1	80.3	81.2	83.1	83.1	84.8	85.8	86.1	87.3	87.7	87.7	88.2	88.2	88.2	88.4
0.01	71.2	80.7	81.9	83.0	84.9	84.9	86.8	87.8	88.2	89.4	90.2	90.2	90.9	90.9	90.9	91.1
0.005	71.4	81.2	82.4	83.5	85.8	85.8	87.9	89.0	89.5	90.8	92.6	92.6	93.3	93.3	93.3	93.5
0.0025	71.5	81.6	82.9	84.0	86.8	86.8	89.1	90.8	91.5	93.2	95.6	95.6	96.4	96.4	96.4	96.7
0.0015	71.5	81.6	83.0	84.1	87.1	87.1	89.4	91.0	91.7	93.5	96.4	96.5	97.6	97.8	98.1	98.7
0.001	71.5	81.6	83.0	84.1	87.1	87.1	89.4	91.0	91.7	93.5	96.4	96.7	98.0	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 836

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72120 CAPE ROMANZOF AFS AK

73,76-81

0CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1822-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
≥ 20000	21.2	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 18000	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
≥ 16000	22.1	22.3	22.3	22.3	22.3	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 14000	22.4	22.6	22.6	22.6	22.6	22.8	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 12000	22.4	22.6	22.6	22.6	22.6	22.8	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 10000	23.0	23.5	23.5	23.5	23.5	23.7	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 9000	23.0	23.5	23.5	23.5	23.5	23.7	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 8000	26.1	26.6	26.6	26.6	26.6	26.8	26.8	27.0	27.0	27.0	27.2	27.2	27.4	27.4	27.4	27.4
≥ 7000	28.3	28.8	29.0	29.4	29.4	29.6	29.6	29.7	29.7	29.7	29.9	29.9	30.3	30.3	30.7	30.7
≥ 6000	29.7	30.3	30.5	30.8	31.0	31.2	31.2	31.4	31.4	31.4	31.6	31.6	31.9	31.9	32.3	32.3
≥ 5000	31.6	32.1	32.3	32.7	32.8	33.0	33.2	33.4	33.4	33.4	33.6	33.6	33.9	33.9	34.3	34.3
≥ 4500	32.5	33.0	33.2	33.6	33.8	33.9	34.1	34.3	34.3	34.3	34.5	34.5	34.9	34.9	35.2	35.2
≥ 4000	34.1	34.7	35.2	35.6	35.9	36.1	36.3	36.5	36.5	36.5	36.7	36.7	37.0	37.0	37.4	37.4
≥ 3500	36.1	36.7	37.2	37.6	38.0	38.1	38.3	38.5	38.5	38.5	38.7	38.7	39.1	39.1	39.4	39.4
≥ 3000	39.1	39.6	40.1	40.7	41.1	41.4	42.2	42.3	42.3	42.3	42.5	42.5	42.9	42.9	43.2	43.2
≥ 2500	42.7	43.4	44.0	44.7	45.1	45.4	46.2	46.4	46.4	46.4	46.5	46.5	46.9	46.9	47.3	47.3
≥ 2000	49.7	50.6	51.1	51.8	52.2	52.6	53.3	54.2	54.2	54.7	54.9	54.9	55.3	55.3	55.7	55.7
≥ 1800	50.5	52.7	53.3	54.0	54.6	55.1	55.8	56.8	56.8	57.3	57.5	57.5	57.8	57.8	58.2	58.2
≥ 1600	50.6	59.9	60.8	61.5	62.4	63.1	64.1	65.0	65.0	65.5	65.7	65.7	66.1	66.1	66.4	66.4
≥ 1400	61.9	65.5	67.5	68.2	69.5	70.3	71.2	72.1	72.1	72.6	72.8	72.8	73.2	73.2	73.5	73.5
≥ 1200	64.1	68.8	71.2	72.3	73.7	74.5	75.4	76.3	76.3	76.8	77.6	77.6	78.1	78.1	78.5	78.5
≥ 1000	65.0	70.1	72.4	73.5	75.0	75.9	77.2	78.1	78.1	79.0	79.9	79.9	80.5	80.5	80.8	80.8
≥ 900	65.3	70.6	73.5	74.8	76.5	77.6	79.2	80.3	80.3	81.2	82.3	82.3	82.8	83.0	83.4	83.4
≥ 800	65.5	71.0	74.1	75.4	77.2	78.5	80.1	81.2	81.2	82.3	83.4	83.4	83.9	84.1	84.5	84.5
≥ 700	66.1	71.5	75.2	76.6	79.0	80.3	82.5	83.9	83.9	85.2	86.3	86.3	87.0	87.2	87.6	87.6
≥ 600	66.6	72.6	76.3	77.9	80.8	82.1	84.5	85.9	85.9	87.2	88.5	88.5	89.6	89.8	90.1	90.1
≥ 500	67.2	73.2	76.8	78.5	81.4	82.7	85.6	87.4	87.4	88.7	91.1	91.1	92.3	92.5	93.1	93.1
≥ 400	67.3	73.4	77.0	78.6	81.6	82.8	85.9	88.0	88.0	89.2	92.2	92.2	93.6	93.8	94.3	94.3
≥ 300	67.5	73.5	77.2	78.8	81.8	83.0	86.3	88.7	88.7	90.0	93.6	93.6	95.1	95.3	95.8	95.8
≥ 200	67.9	73.9	77.6	79.2	82.1	83.4	86.9	89.6	89.6	90.9	94.5	94.5	96.5	96.7	97.4	98.0
≥ 100	67.9	73.9	77.6	79.2	82.1	83.4	86.9	89.6	89.6	90.9	94.5	94.5	96.9	97.1	98.2	98.0

TOTAL NUMBER OF OBSERVATIONS 588

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7.2120 CAPE ROMANZOF AFS AK

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2120-2120

CEILING FEET	VISIBILITY STATUTE MILES															
	10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	24.9	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
20000	25.8	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
18000	25.8	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
16000	26.0	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
14000	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
12000	26.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
10000	27.0	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
9000	27.0	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
8000	29.3	29.9	29.9	30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
7000	31.6	32.4	32.5	32.7	32.8	32.8	33.0	33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1
6000	32.4	33.3	33.7	33.9	34.0	34.0	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3
5000	35.1	36.3	36.9	37.2	37.3	37.3	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6
4500	36.4	37.6	38.2	38.5	38.7	38.7	38.8	38.8	38.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1
4000	37.8	39.4	40.0	40.3	40.6	40.6	40.7	40.7	40.7	41.0	41.2	41.2	41.2	41.2	41.2	41.2
3500	39.7	41.6	42.2	42.5	43.0	43.0	43.1	43.1	43.1	43.4	43.6	43.6	43.6	43.7	43.7	43.7
3000	43.6	46.0	46.7	47.2	47.8	47.8	47.9	47.9	47.9	48.2	48.4	48.4	48.4	48.5	48.5	48.5
2500	49.4	52.5	53.3	53.7	54.6	54.6	54.8	54.8	54.8	55.1	55.2	55.2	55.2	55.4	55.4	55.4
2000	53.4	57.5	58.2	58.8	59.9	60.1	60.3	60.3	60.3	61.0	61.2	61.2	61.2	61.3	61.3	61.3
1800	54.8	59.0	60.0	60.7	62.1	62.5	62.7	62.7	62.7	63.4	63.6	63.6	63.6	63.7	63.7	63.7
1600	58.2	64.2	65.2	66.0	67.6	68.1	68.4	68.4	68.4	69.1	69.3	69.3	69.3	69.6	69.6	69.6
1400	62.7	70.1	71.8	72.7	74.8	75.2	75.7	75.7	75.7	76.4	76.6	76.6	76.7	76.9	76.9	76.9
1200	63.1	71.0	72.8	73.7	76.0	76.4	76.9	77.0	77.0	77.8	78.1	78.1	78.4	78.5	78.5	78.5
1000	63.6	71.8	73.6	74.5	76.7	77.2	77.9	78.1	78.1	79.1	79.4	79.4	79.9	80.0	80.0	80.0
900	64.9	73.1	75.1	76.0	79.0	79.4	80.3	81.0	81.0	82.1	82.5	82.5	83.1	83.4	83.6	83.6
800	65.2	74.0	76.0	76.9	79.9	80.3	81.2	82.2	82.2	83.9	84.8	84.8	85.4	85.7	85.8	85.8
700	66.1	75.1	77.0	77.9	81.5	82.4	84.2	85.7	85.7	87.3	88.4	88.4	89.0	89.3	89.4	89.4
600	66.3	75.4	77.5	78.5	83.0	84.0	86.0	87.5	87.5	89.1	90.3	90.3	90.9	91.2	91.3	91.3
500	66.4	75.7	77.8	78.8	83.7	84.8	87.2	88.7	88.7	91.2	93.0	93.0	94.0	94.3	94.6	94.6
450	66.4	75.7	77.8	78.8	83.9	84.9	87.3	89.0	89.0	92.1	94.2	94.2	95.2	95.5	95.8	96.0
400	66.4	75.7	77.8	78.8	83.9	84.9	87.5	89.1	89.1	92.2	94.6	94.6	95.7	96.0	96.6	96.7
350	66.4	75.7	77.8	78.8	83.9	84.9	87.5	89.3	89.3	92.5	95.1	95.1	96.6	96.9	97.6	98.5
300	66.4	75.7	77.8	78.8	83.9	84.9	87.5	89.3	89.3	92.5	95.1	95.1	96.9	97.2	98.1	99.0

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7-2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-61  
YEAR

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 25000	27.7	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
218000	22.6	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
216000	23.1	23.0	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
214000	23.3	23.7	23.8	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1
212000	23.6	24.0	24.1	24.1	24.2	24.2	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.4
210000	24.2	24.7	24.7	24.7	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
208000	24.4	24.9	25.0	25.0	25.1	25.1	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3
206000	26.6	27.1	27.2	27.2	27.4	27.4	27.5	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6
204000	29.2	29.8	29.9	30.0	30.2	30.2	30.3	30.4	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.6
202000	30.1	30.8	31.0	31.1	31.2	31.2	31.3	31.4	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.6
200000	32.3	33.1	33.4	33.6	33.8	33.8	33.9	34.1	34.1	34.1	34.2	34.2	34.3	34.3	34.3	34.3
198000	33.8	34.7	35.0	35.2	35.4	35.4	35.6	35.7	35.7	35.8	35.9	35.9	36.0	36.0	36.0	36.0
196000	35.6	36.7	37.0	37.2	37.5	37.5	37.6	37.8	37.8	38.0	38.1	38.1	38.2	38.2	38.2	38.2
194000	37.4	38.8	39.1	39.3	39.6	39.7	39.8	40.0	40.0	40.2	40.3	40.3	40.4	40.5	40.5	40.5
192000	41.9	43.9	44.2	44.4	44.9	45.0	45.2	45.3	45.3	45.6	45.8	45.8	45.9	45.9	45.9	46.0
190000	47.1	49.5	50.0	50.2	50.8	50.9	51.1	51.3	51.3	51.6	51.8	51.9	52.0	52.0	52.1	52.1
188000	52.7	55.8	56.3	56.7	57.5	57.6	58.1	58.5	58.5	59.0	59.2	59.2	59.4	59.4	59.5	59.5
186000	54.2	57.6	58.2	58.6	59.5	59.7	60.1	60.5	60.5	61.0	61.2	61.3	61.5	61.5	61.6	61.6
184000	59.5	63.8	64.6	65.1	66.1	66.4	67.0	67.4	67.4	68.1	68.5	68.5	68.8	68.8	68.9	68.9
182000	64.0	69.2	70.4	71.0	72.4	72.7	73.4	73.9	73.9	74.7	75.1	75.1	75.4	75.4	75.5	75.6
180000	66.2	72.2	73.7	74.5	76.1	76.3	77.1	77.7	77.7	78.5	79.0	79.0	79.3	79.4	79.4	79.5
178000	67.0	73.5	75.0	76.0	77.6	77.9	78.8	79.4	79.4	80.3	80.9	80.9	81.2	81.3	81.4	81.5
176000	67.8	74.6	76.3	77.3	79.2	79.5	80.6	81.3	81.4	82.3	82.9	83.0	83.3	83.4	83.5	83.6
174000	68.1	75.2	77.1	78.2	80.2	80.5	81.7	82.6	82.6	83.8	84.5	84.5	84.9	85.0	85.1	85.2
172000	68.7	76.2	78.2	79.5	81.9	82.3	83.7	84.9	85.0	86.3	87.1	87.1	87.5	87.6	87.7	87.8
170000	69.2	77.0	79.2	80.8	83.6	84.0	85.7	86.9	87.0	88.6	89.5	89.5	90.1	90.2	90.4	90.5
168000	69.6	77.7	80.0	81.6	84.7	85.1	87.1	88.5	88.7	90.5	91.9	92.0	92.8	92.9	93.1	93.2
166000	69.8	77.9	80.2	81.8	85.1	85.5	87.7	89.2	89.5	91.5	93.5	93.5	94.5	94.7	94.9	95.0
164000	69.8	78.0	80.4	82.0	85.4	85.9	88.1	89.9	90.2	92.4	94.7	94.8	95.9	96.1	96.6	96.7
162000	69.8	78.1	80.4	82.1	85.6	86.0	88.3	90.1	90.5	92.9	95.5	95.6	97.0	97.3	98.7	98.6
160000	69.9	78.1	80.5	82.1	85.6	86.0	88.3	90.2	90.6	92.9	95.6	95.7	97.3	97.5	99.4	99.0

TOTAL NUMBER OF OBSERVATIONS 6170

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7.2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEAR

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2200  
TIME PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
≥20000	33.5	34.6	34.9	35.5	36.1	36.3	36.7	36.7	36.7	36.7	36.7	37.1	37.1	37.1	37.1	37.1
≥18000	34.2	35.4	35.6	36.2	36.8	37.1	37.5	37.5	37.5	37.5	37.5	37.8	37.8	37.8	37.8	37.8
≥16000	34.9	36.0	36.2	37.0	37.6	37.8	38.2	38.2	38.2	38.2	38.2	38.6	38.6	38.6	38.6	38.6
≥14000	35.2	36.3	36.6	37.3	37.9	38.2	38.6	38.6	38.6	38.6	38.6	38.9	38.9	38.9	38.9	38.9
≥12000	35.2	36.3	36.6	37.3	37.9	38.2	38.6	38.6	38.6	38.6	38.6	38.9	38.9	38.9	38.9	38.9
≥10000	35.4	36.5	36.7	37.5	38.1	38.3	38.7	38.7	38.7	38.7	39.1	39.1	39.1	39.1	39.1	39.1
≥8000	35.6	36.7	37.0	37.7	38.3	38.6	38.9	38.9	38.9	38.9	39.3	39.3	39.3	39.3	39.3	39.3
≥6000	36.1	37.3	37.8	38.6	39.2	39.4	39.8	39.8	39.8	39.8	40.2	40.2	40.2	40.2	40.2	40.2
≥4000	38.2	39.4	39.9	40.7	41.4	41.7	42.0	42.0	42.0	42.0	42.4	42.4	42.4	42.4	42.4	42.4
≥2000	39.2	40.5	41.1	41.8	42.5	42.8	43.1	43.1	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5
≥1000	41.2	42.8	43.3	44.0	45.6	45.9	46.2	46.2	46.2	46.2	46.7	46.7	46.8	46.8	46.8	46.8
≥500	42.5	44.4	45.1	45.9	47.5	47.7	48.1	48.1	48.1	48.1	48.6	48.6	48.7	48.7	48.7	48.8
≥250	45.4	47.2	48.2	48.9	50.6	50.8	51.3	51.3	51.3	51.3	51.8	51.8	51.9	51.9	51.9	52.0
≥125	47.5	49.7	50.8	51.5	53.2	53.4	54.0	54.0	54.0	54.0	54.5	54.5	54.6	54.6	54.6	54.8
≥62.5	49.5	50.9	52.0	52.6	54.6	54.9	55.5	55.5	55.5	55.5	56.0	56.0	56.1	56.1	56.1	56.4
≥31.25	52.8	56.2	57.7	58.8	61.4	61.7	62.4	62.4	62.4	62.8	63.3	63.3	63.4	63.4	63.4	63.7
≥15.625	57.0	62.1	64.2	65.3	68.2	68.5	69.5	69.5	69.5	69.8	70.3	70.3	70.5	70.5	70.5	70.7
≥7.8125	57.7	63.3	65.4	66.6	70.0	70.2	71.2	71.2	71.2	71.6	72.1	72.1	72.2	72.2	72.2	72.4
≥3.90625	59.1	65.6	68.7	69.3	73.2	73.4	74.4	74.7	74.7	75.0	75.5	75.5	75.6	75.6	75.6	75.9
≥1.953125	61.9	70.1	72.6	74.0	78.4	78.6	80.2	80.5	80.6	81.5	82.2	82.3	82.4	82.4	82.4	82.7
≥0.9765625	63.0	71.8	74.5	76.1	80.7	81.0	82.6	82.8	82.9	83.9	84.7	84.8	84.9	84.9	85.2	85.4
≥0.48828125	63.3	72.7	75.5	77.1	81.7	82.0	83.7	83.9	84.1	85.0	86.0	86.2	86.4	86.4	86.7	86.9
≥0.244140625	63.8	73.4	76.3	78.0	82.7	82.9	84.8	85.0	85.2	86.3	87.5	87.6	87.9	87.9	88.1	88.4
≥0.1220703125	63.9	73.8	76.9	78.6	83.3	83.6	85.5	85.8	85.9	87.1	88.6	88.8	89.0	89.0	89.4	89.6
≥0.06103515625	64.3	74.3	77.4	79.1	83.9	84.2	86.3	86.5	86.7	87.9	90.0	90.1	90.5	90.5	90.9	91.1
≥0.030517578125	64.8	75.3	78.6	80.3	85.3	85.5	87.6	87.9	88.3	89.9	92.2	92.3	92.7	92.7	93.1	93.3
≥0.0152587890625	64.9	75.4	78.7	80.5	85.4	85.8	87.9	88.1	88.5	90.6	93.4	93.7	94.2	94.2	94.6	94.8
≥0.00762939453125	64.9	75.4	78.7	80.5	85.5	85.9	88.0	88.3	88.6	91.0	93.9	94.2	94.7	94.8	95.7	96.0
≥0.003814697265625	64.9	75.4	78.7	80.5	85.7	86.0	88.5	88.8	89.1	91.6	94.6	94.8	95.4	95.8	96.8	97.2
≥0.0019073486328125	64.9	75.4	78.7	80.5	85.7	86.0	88.5	88.8	89.4	92.0	94.9	95.2	95.9	96.3	98.0	98.4
≥0.00095367431640625	64.9	75.4	78.7	80.5	85.7	86.0	88.5	88.8	89.4	92.1	95.1	95.3	96.3	96.7	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 879

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722120 CAPE ROMANZOF AFS AK

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

722-2500

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	32.7	34.6	35.9	36.4	37.4	37.5	37.8	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0
900	33.7	35.6	36.9	37.4	38.4	38.5	38.8	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0
800	34.3	36.2	37.5	38.0	39.4	39.5	39.8	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0
700	34.3	36.2	37.5	38.0	39.4	39.5	39.8	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0
600	34.4	36.3	37.7	38.1	39.5	39.6	39.9	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1
500	34.9	36.8	38.1	38.6	40.0	40.1	40.4	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6
400	35.2	37.0	38.4	38.9	40.2	40.4	40.6	40.6	40.6	40.6	40.9	40.9	40.9	40.9	40.9	40.9
300	35.7	37.5	38.9	39.4	40.7	40.9	41.1	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4
200	36.4	38.3	39.8	40.5	41.9	42.0	42.2	42.2	42.2	42.2	42.5	42.5	42.5	42.5	42.5	42.5
100	37.9	39.8	41.2	42.0	43.3	43.5	43.7	43.7	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0
50	39.0	40.9	42.7	43.5	44.8	44.9	45.2	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4
25	41.4	43.8	46.0	46.8	48.4	48.5	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6	49.6	49.6
15	42.8	45.4	47.7	48.4	50.1	50.2	51.0	51.0	51.0	51.0	51.4	51.4	51.4	51.4	51.4	51.4
10	45.1	47.8	50.0	50.7	52.8	53.0	53.8	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2
5	47.0	49.8	52.0	52.7	54.8	54.9	55.8	55.8	55.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2
2	48.8	51.6	54.1	54.8	56.9	57.0	57.9	57.9	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3
1	51.4	55.2	57.7	58.5	61.2	61.6	62.5	62.6	62.6	62.6	63.3	63.3	63.3	63.3	63.3	63.3
0.5	54.2	59.4	62.1	63.0	66.3	66.7	67.8	68.0	68.0	68.0	69.1	69.1	69.1	69.1	69.1	69.1
0.25	54.3	60.0	62.7	63.7	67.5	67.9	69.0	69.3	69.3	70.0	70.6	70.6	70.6	70.6	70.6	70.6
0.1	56.0	61.7	64.8	65.8	70.0	70.4	71.5	71.7	71.7	72.5	73.1	73.1	73.2	73.2	73.2	73.2
0.05	59.1	66.7	70.6	71.6	75.9	76.4	78.0	78.4	78.4	79.3	80.0	80.0	80.5	80.5	80.5	80.5
0.025	61.1	69.1	73.1	74.2	79.6	80.1	82.0	82.5	82.5	83.5	84.3	84.3	84.9	84.9	85.1	85.1
0.01	61.6	69.8	73.7	74.9	81.1	81.7	83.6	84.1	84.1	85.2	86.2	86.3	87.2	87.2	87.3	87.3
0.005	61.7	69.9	74.0	75.3	81.6	82.2	84.1	84.6	84.6	85.7	86.9	86.9	87.9	87.9	88.0	88.0
0.0025	61.9	70.0	74.1	75.6	82.2	82.6	84.8	85.4	85.4	86.7	88.3	88.3	89.3	89.3	89.5	89.5
0.001	62.1	70.5	74.7	76.3	83.5	84.1	86.2	86.8	86.8	88.1	90.2	90.2	91.9	91.9	92.1	92.1
0.0005	62.5	71.0	75.2	76.8	84.0	84.6	86.9	87.5	87.8	89.1	91.4	91.4	93.1	93.1	93.5	93.5
0.00025	62.5	71.0	75.2	76.8	84.0	84.6	87.2	87.8	88.1	89.9	92.7	92.7	94.6	94.6	95.1	95.1
0.0001	62.5	71.0	75.3	76.9	84.2	84.8	87.5	88.6	89.0	90.7	94.0	94.0	95.8	95.9	96.5	96.5
0.00005	62.5	71.0	75.3	76.9	84.2	85.1	87.9	89.0	89.4	91.1	94.4	94.6	96.7	96.8	97.4	97.4
0.000025	62.5	71.0	75.3	76.9	84.2	85.1	87.9	89.0	89.5	91.2	94.7	94.8	97.0	97.2	97.8	97.8
0.00001	62.5	71.0	75.3	76.9	84.2	85.1	88.0	89.1	89.6	91.4	94.9	95.1	97.3	97.4	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 310

## CEILING VERSUS VISIBILITY

73-51

404

64-2825

• SBL 75 S-A 7E M.F.S

TOTAL NUMBER OF OBSERVATIONS

USAF F-AC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 2100 CAPE ROMANZOF AFS AK

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1972

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
100	24.3	25.3	25.3	25.4	25.9	26.0	26.2	26.3	26.3	26.3	26.5	26.9	27.2	27.2	27.3	27.3
150	24.7	25.8	25.8	25.9	26.4	26.5	26.7	26.8	26.8	26.8	27.0	27.5	27.9	27.9	28.0	28.0
200	25.7	26.8	26.8	26.9	27.4	27.5	27.7	27.8	27.8	27.8	28.0	28.5	28.9	28.9	29.0	29.1
250	26.3	27.5	27.5	27.7	28.3	28.4	28.5	28.6	28.6	28.6	28.9	29.4	29.8	29.8	29.9	30.0
300	26.4	27.8	27.8	27.9	28.5	28.6	28.8	28.9	28.9	28.9	29.1	29.6	30.0	30.0	30.1	30.2
350	26.8	28.1	28.1	28.3	28.9	29.0	29.1	29.3	29.3	29.3	29.5	30.0	30.4	30.4	30.5	30.6
400	27.3	28.6	28.6	28.8	29.4	29.5	29.6	29.8	29.9	29.9	30.0	30.5	30.9	30.9	31.0	31.1
450	27.3	28.8	28.8	28.9	29.5	29.6	29.8	29.9	29.9	29.9	30.1	30.6	31.0	31.0	31.1	31.2
500	27.9	29.4	29.4	29.5	30.1	30.2	30.4	30.5	30.5	30.5	30.7	31.2	31.6	31.6	31.7	31.8
550	30.7	32.3	32.3	32.5	33.2	33.3	33.5	33.6	33.6	33.6	33.8	34.3	34.7	34.7	34.8	35.0
600	31.7	33.5	33.5	33.6	34.3	34.4	34.6	34.7	34.7	34.7	34.9	35.4	35.8	35.8	35.9	36.3
650	32.1	34.0	34.0	34.1	34.8	34.9	35.2	35.3	35.3	35.3	35.6	36.0	36.4	36.4	36.5	36.9
700	33.0	35.1	35.1	35.2	35.9	36.0	36.3	36.4	36.4	36.4	36.7	37.2	37.5	37.5	37.7	38.0
750	35.8	38.4	38.5	38.6	39.5	39.8	40.1	40.2	40.2	40.2	40.5	41.0	41.4	41.4	41.5	41.9
800	37.9	41.0	41.4	41.6	42.5	42.7	43.1	43.2	43.2	43.2	43.6	44.1	44.4	44.4	44.6	44.9
850	38.9	42.7	43.2	43.7	44.7	44.9	45.4	45.6	45.6	45.6	45.9	46.4	46.9	46.9	47.0	47.4
900	45.2	49.6	50.4	50.9	52.1	52.3	53.1	53.2	53.2	53.3	53.7	54.2	54.7	54.7	54.9	55.2
950	49.8	54.8	55.9	56.7	57.9	58.1	59.4	59.5	59.5	60.0	60.5	61.0	61.9	61.9	62.0	62.3
1000	51.0	56.3	57.5	58.3	59.6	59.9	61.2	61.4	61.4	61.9	62.3	62.8	63.7	63.7	63.9	64.2
1050	53.2	59.6	61.1	62.0	63.6	64.1	65.4	65.6	65.6	66.2	66.9	67.4	68.3	68.3	68.4	68.8
1100	56.5	64.1	65.7	66.8	69.4	70.0	71.7	71.9	71.9	72.5	73.2	73.7	74.6	74.6	74.7	75.1
1150	59.3	66.3	68.1	69.3	72.2	72.8	74.7	74.9	74.9	75.7	76.7	77.2	78.1	78.1	78.3	78.6
1200	58.9	67.2	69.0	70.2	73.3	74.0	75.9	76.2	76.2	77.0	78.1	78.6	79.6	79.6	79.9	80.2
1250	59.6	68.3	70.4	71.9	75.1	75.8	77.8	78.0	78.0	79.0	80.1	81.0	81.6	81.6	81.9	82.2
1300	60.0	68.8	71.0	72.6	76.0	76.8	78.8	79.0	79.0	80.0	81.2	81.7	82.7	82.7	83.0	83.3
1350	60.1	69.4	72.1	73.7	77.8	78.5	80.6	81.4	81.5	82.7	84.3	84.8	86.4	86.4	86.7	87.0
1400	60.2	69.8	73.1	74.6	78.9	79.6	82.0	82.8	83.0	84.3	86.0	86.5	88.1	88.2	88.5	88.9
1450	60.4	69.9	73.6	75.4	79.9	80.6	83.2	84.3	84.4	86.0	88.0	88.5	90.2	90.4	90.7	91.0
1500	60.4	70.1	73.8	75.8	80.5	81.2	83.8	85.2	85.3	87.3	89.5	91.0	91.9	92.0	92.5	93.0
1550	60.4	70.1	73.8	75.8	80.7	81.5	84.1	85.7	86.0	88.1	90.9	91.4	93.2	93.3	94.0	94.5
1600	60.4	70.1	73.8	75.8	80.7	81.5	84.1	85.8	86.4	88.5	91.7	92.3	94.7	94.8	95.4	96.0
1650	60.4	70.1	73.8	75.8	80.7	81.5	84.1	85.8	86.4	88.5	91.9	92.5	95.2	95.3	96.5	97.0

TOTAL NUMBER OF OBSERVATIONS 61

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 1120 CAPE ROMANZOF AFS AK

73-81

NAV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

		VISIBILITY, STATUTE MILES															
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
1000	FEET	23.7	24.2	24.4	24.6	25.4	25.4	25.4	25.6	25.6	25.7	25.8	26.2	26.4	26.4	26.4	26.4
900	FEET	23.6	24.9	25.1	25.2	26.0	26.0	26.0	26.2	26.2	26.3	26.4	26.6	27.0	27.0	27.0	27.0
800	FEET	24.4	25.7	25.9	26.0	26.9	26.9	26.9	27.0	27.0	27.2	27.3	27.7	27.9	27.9	27.9	27.9
700	FEET	25.2	26.4	26.7	26.8	27.7	27.7	27.7	27.8	27.8	27.9	28.0	28.4	28.6	28.6	28.6	28.6
600	FEET	25.6	26.8	27.0	27.2	28.0	28.0	28.0	28.1	28.1	28.3	28.4	28.8	29.0	29.0	29.0	29.0
500	FEET	25.9	27.2	27.4	27.5	28.4	28.4	28.4	28.5	28.5	28.6	28.8	29.1	29.4	29.4	29.4	29.5
400	FEET	26.0	27.4	27.7	27.8	28.6	28.6	28.6	28.9	28.9	29.0	29.1	29.5	29.8	29.8	29.8	29.9
300	FEET	26.0	27.4	27.7	27.8	28.6	28.6	28.6	28.9	28.9	29.0	29.1	29.5	29.8	29.8	29.8	29.9
200	FEET	27.0	28.9	29.1	29.3	30.2	30.2	30.2	30.5	30.5	30.6	30.7	31.2	31.5	31.5	31.5	31.9
100	FEET	29.8	32.0	32.2	32.3	33.3	33.3	33.3	33.7	33.7	34.0	34.2	34.8	35.1	35.1	35.2	35.4
50	FEET	33.0	32.3	32.6	32.7	33.7	33.7	33.8	34.1	34.1	34.3	34.6	35.2	35.4	35.4	35.5	35.8
20	FEET	31.0	33.6	34.0	34.1	35.1	35.1	35.2	35.4	35.4	35.7	35.9	36.5	37.0	37.0	37.3	37.5
10	FEET	31.7	34.4	34.8	35.1	36.2	36.2	36.3	36.5	36.5	36.8	37.0	37.7	38.1	38.1	38.4	38.6
5	FEET	34.1	37.2	37.7	37.9	39.0	39.0	39.4	39.8	39.9	40.0	40.2	40.9	41.4	41.4	41.6	41.9
2	FEET	35.4	38.6	39.1	39.4	40.5	40.5	41.1	41.7	41.7	42.1	42.5	43.1	43.6	43.6	43.8	44.1
1	FEET	37.7	41.5	42.1	42.3	43.5	43.5	44.1	44.7	44.7	45.1	45.6	46.2	46.7	46.7	46.9	47.2
0.5	FEET	43.2	47.7	48.4	48.6	50.0	50.0	50.9	51.5	51.5	52.2	52.8	53.5	54.0	54.0	54.2	54.4
0.2	FEET	46.8	51.9	52.8	53.6	55.4	55.4	56.3	56.9	56.9	57.7	58.4	59.2	59.6	59.6	59.9	60.1
0.1	FEET	47.4	52.7	53.9	54.7	56.7	56.7	57.5	58.1	58.1	58.9	59.6	60.2	60.9	60.9	61.1	61.4
0.05	FEET	50.4	57.2	58.5	59.9	62.1	62.1	63.3	64.2	64.2	64.9	65.7	66.3	67.3	67.3	67.5	67.6
0.02	FEET	53.0	60.6	62.8	64.6	67.2	67.3	68.5	69.5	69.6	70.4	71.2	71.9	72.8	72.8	73.1	73.3
0.01	FEET	54.2	62.8	65.2	67.2	69.9	70.0	71.4	72.6	72.7	73.9	74.8	75.4	76.5	76.5	76.8	77.0
0.005	FEET	54.4	63.8	66.2	68.4	71.2	71.5	72.8	74.1	74.2	75.3	76.3	77.0	78.1	78.1	78.5	78.8
0.002	FEET	54.7	64.4	67.0	69.3	72.1	72.3	74.0	75.7	75.8	76.9	77.9	78.8	79.9	79.9	80.2	80.5
0.001	FEET	54.9	65.1	67.9	70.1	73.1	73.3	74.9	76.8	76.9	78.1	79.1	80.0	81.1	81.1	81.5	81.7
0.0005	FEET	55.3	66.7	69.8	72.1	75.9	76.2	78.4	80.6	80.7	82.3	83.8	84.7	85.9	85.9	86.3	86.7
0.0002	FEET	55.4	67.3	70.4	72.7	76.8	77.0	79.5	81.9	82.0	83.8	85.6	86.4	87.9	87.9	88.3	88.6
0.0001	FEET	55.7	68.1	71.4	73.7	77.8	78.0	80.7	83.6	83.8	86.2	88.1	89.0	90.6	90.6	91.2	91.5
0.00005	FEET	55.8	68.4	71.7	74.3	78.6	78.9	81.6	84.6	84.8	87.2	90.2	91.1	93.0	93.1	93.7	94.0
0.00002	FEET	55.8	68.4	71.7	74.3	78.9	79.3	82.0	85.2	85.0	88.4	92.0	92.8	94.9	95.2	95.8	97.0
0.00001	FEET	55.8	66.4	71.7	74.3	73.9	79.3	82.0	85.2	85.0	88.5	92.2	93.1	95.9	96.3	96.9	97.0

TOTAL NUMBER OF OBSERVATIONS 612



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

70120 CAPE ROMANZOF AFS AK

73-01

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

4512-1720

		VISIBILITY STATUTE MILES															
		20	26	27	24	25	26	27	28	29	30	31	32	33	34	35	36
1	20.7	26.1	26.5	26.5	27.1	27.1	27.1	27.2	27.7	28.0	28.5	28.6	28.9	28.9	29.2	29.2	28.9
2	24.3	27.1	27.5	27.6	28.4	28.4	28.4	28.5	28.5	29.3	29.9	29.9	30.2	30.2	30.2	30.2	30.2
3	25.7	28.1	28.5	28.6	29.4	29.4	29.4	29.5	29.5	30.3	30.3	31.0	31.0	31.2	31.2	31.2	31.2
4	26.1	28.6	29.0	29.2	29.9	29.9	29.9	30.1	30.1	30.8	31.5	31.5	31.7	31.7	31.7	31.7	31.7
5	26.5	29.0	29.4	29.5	30.3	30.3	30.3	30.5	30.5	31.2	31.9	31.9	32.1	32.1	32.1	32.1	32.1
6	26.5	29.0	29.4	29.5	30.3	30.3	30.3	30.5	30.5	31.2	31.9	31.9	32.1	32.1	32.1	32.1	32.1
7	26.5	29.0	29.4	29.5	30.3	30.3	30.3	30.5	30.5	31.2	31.9	31.9	32.4	32.4	32.4	32.4	32.4
8	27.6	30.2	30.6	30.7	31.6	31.6	31.6	31.7	31.7	32.5	33.2	33.2	33.7	33.7	33.7	33.7	33.7
9	28.9	32.0	32.5	32.6	33.5	33.5	33.5	33.7	33.7	34.5	35.2	35.2	35.7	35.7	35.7	35.7	35.7
10	29.0	32.5	33.0	33.2	34.1	34.1	34.1	34.2	34.2	35.0	35.7	35.7	36.3	36.3	36.3	36.3	36.3
11	29.9	33.5	34.1	34.2	35.1	35.1	35.1	35.2	35.2	36.0	36.8	36.8	37.4	37.4	37.4	37.4	37.4
12	30.6	34.6	35.1	35.2	36.1	36.1	36.1	36.3	36.3	37.0	37.8	37.8	38.5	38.5	38.5	38.5	38.5
13	32.1	36.4	36.9	37.0	37.9	37.9	37.9	38.1	38.2	39.2	40.0	40.0	40.6	40.6	40.6	40.6	40.6
14	34.2	38.6	39.1	39.2	40.1	40.1	40.3	40.6	40.8	41.5	43.0	43.0	43.6	43.6	43.6	43.6	43.6
15	35.5	41.3	41.9	42.2	43.1	43.1	43.2	43.6	43.7	44.8	46.2	46.2	46.8	46.8	46.8	46.8	46.8
16	40.5	45.5	46.2	46.5	47.6	47.6	47.7	48.1	48.3	49.7	51.1	51.1	51.7	51.7	51.7	51.7	51.7
17	44.7	51.5	52.4	52.6	54.3	54.3	54.5	54.6	55.1	56.5	58.2	58.2	58.8	58.8	58.8	58.8	58.8
18	47.2	51.7	52.5	53.3	55.1	55.1	55.2	55.6	55.9	57.3	59.0	59.0	59.6	59.6	59.6	59.6	59.6
19	47.2	55.6	56.8	57.8	60.0	60.0	60.3	60.6	60.9	62.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2
20	50.6	60.0	61.0	63.2	65.7	65.8	66.1	66.5	66.7	68.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0
21	51.9	62.8	64.4	66.1	69.4	69.5	70.1	70.6	70.9	72.6	75.0	75.0	75.6	75.6	75.6	75.6	75.6
22	52.4	63.7	65.9	67.2	71.1	71.2	71.9	72.5	72.8	74.7	77.0	77.0	77.7	77.7	77.7	77.7	77.7
23	52.9	64.9	67.4	68.6	72.5	72.6	73.3	73.9	74.2	76.3	78.7	78.8	79.5	79.5	79.5	79.5	79.5
24	52.9	65.4	68.0	69.4	73.7	73.8	74.5	75.1	75.4	77.4	79.9	80.0	80.6	80.6	80.6	80.6	80.6
25	53.0	66.5	69.5	71.1	75.7	76.0	76.9	77.7	78.3	80.4	82.8	83.0	83.6	83.6	83.6	83.6	83.6
26	53.2	66.6	69.8	71.5	76.1	76.4	77.4	78.7	79.4	82.2	84.9	85.0	85.3	85.3	85.3	85.3	85.3
27	53.4	67.1	70.7	72.5	77.9	78.2	79.4	80.8	81.5	84.9	88.0	88.1	89.5	89.7	89.7	89.7	89.7
28	53.4	67.4	71.1	72.9	78.3	78.6	79.7	81.2	81.9	85.3	88.9	89.2	91.2	91.4	91.4	91.4	91.4
29	53.4	67.5	71.4	73.3	78.8	79.2	80.5	81.9	82.8	86.3	90.1	90.3	92.4	92.6	92.6	92.6	92.6
30	53.5	67.6	71.5	73.4	79.2	79.7	81.0	82.5	83.6	87.5	91.7	92.0	94.1	94.3	94.3	94.3	94.3
31	53.5	67.6	71.5	73.4	79.2	79.7	81.0	82.5	83.6	87.9	92.1	92.4	94.6	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 775

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

70120 CAPE ROMANOF AFS AK

73-74,77-81

400

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1922-2422

		VISIBILITY - STATUTE MILES															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
26.0	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9
26.5	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5
27.1	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0
27.9	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
27.9	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
27.9	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
27.9	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
28.0	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0
28.6	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.8	29.8	29.8	29.8	29.8	29.8	29.8
30.4	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5
31.5	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3	32.7	32.7	32.7	32.7	32.7	32.7	32.7
32.5	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7
34.0	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.4	35.8	35.8	35.8	35.8	35.8	35.8	35.8
35.6	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9
37.3	38.7	39.3	39.3	39.7	39.7	40.0	40.0	40.0	40.0	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6
39.7	42.2	42.7	42.9	43.5	43.5	44.1	44.1	44.1	44.1	44.3	44.7	44.9	44.9	44.9	44.9	44.9	44.9
42.7	46.0	46.6	46.6	47.4	47.4	48.0	48.0	48.0	48.0	48.2	48.7	49.1	49.3	49.3	49.3	49.3	49.3
46.6	50.9	51.8	52.4	53.4	53.4	54.5	54.5	54.5	54.5	55.1	55.7	55.9	55.9	55.9	55.9	55.9	55.9
47.2	51.6	52.6	53.4	54.4	54.4	55.7	55.7	55.7	55.7	56.5	56.9	57.1	57.1	57.1	57.1	57.1	57.1
50.1	55.1	56.3	57.4	59.0	59.0	61.1	61.1	61.1	61.1	61.9	62.3	62.7	62.7	62.7	62.7	62.7	62.7
52.4	59.4	61.3	62.7	64.8	64.8	67.1	67.1	67.1	67.1	67.9	68.5	68.9	68.9	68.9	68.9	68.9	68.9
63.6	61.1	63.4	64.6	67.1	67.1	69.8	69.8	69.8	69.8	70.9	71.6	72.1	72.1	72.1	72.1	72.1	72.1
64.7	62.5	65.6	66.9	70.0	70.0	72.7	72.7	72.7	72.7	73.7	74.5	75.0	75.0	75.0	75.0	75.0	75.0
65.3	63.8	67.3	68.9	72.5	72.5	75.4	75.4	75.4	75.4	76.6	77.5	78.1	78.1	78.1	78.1	78.1	78.1
65.5	64.4	67.9	69.4	73.5	73.5	76.4	77.0	77.0	77.0	78.1	79.3	80.1	80.1	80.1	80.1	80.1	80.1
65.7	65.2	68.9	70.6	75.0	75.0	78.5	79.3	79.9	81.8	83.2	83.9	84.1	84.1	84.1	84.1	84.1	84.1
65.7	65.4	69.2	71.6	75.6	75.6	80.7	81.4	82.2	84.1	85.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8
65.7	65.8	69.8	72.3	77.6	77.8	82.6	83.4	84.1	86.1	89.6	90.5	91.1	91.1	91.1	91.1	91.1	91.1
65.7	65.8	70.0	72.5	77.9	78.1	83.0	83.9	84.7	86.3	90.5	91.7	92.6	93.2	93.2	93.2	93.2	93.2
65.7	65.8	70.0	72.5	78.1	78.3	83.2	84.1	84.2	87.0	90.9	92.1	93.4	94.2	94.4	94.4	94.4	94.4
65.9	65.8	70.0	72.5	79.3	78.5	83.4	84.3	85.7	87.8	91.7	92.6	94.4	95.2	95.4	95.4	95.4	95.4
65.9	65.8	70.0	72.5	78.3	78.5	83.4	84.3	85.7	87.8	92.1	93.2	94.8	95.7	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 217



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

7.0120 CAPE ROMANZOF AFS AK

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	28.4	29.8	30.2	30.3	30.9	31.0	31.1	31.2	31.2	31.4	31.7	31.8	31.9	31.9	32.0	32.0
9000	29.1	30.5	30.9	31.1	31.6	31.7	31.9	31.9	31.9	32.1	32.4	32.6	32.7	32.7	32.7	32.7
8000	29.8	31.2	31.6	31.8	32.4	32.5	32.6	32.7	32.7	32.9	33.2	33.3	33.5	33.5	33.5	33.5
7000	30.2	31.6	32.0	32.2	32.9	32.9	33.1	33.2	33.2	33.3	33.7	33.8	34.0	34.0	34.0	34.0
6000	30.3	31.7	32.1	32.4	33.0	33.1	33.2	33.3	33.3	33.4	33.8	33.9	34.1	34.1	34.1	34.1
5000	30.5	32.0	32.4	32.6	33.2	33.3	33.5	33.5	33.5	33.7	34.0	34.2	34.3	34.3	34.4	34.4
4000	30.7	32.1	32.5	32.8	33.4	33.5	33.6	33.7	33.7	33.9	34.2	34.3	34.5	34.5	34.5	34.5
3000	30.8	32.3	32.7	32.9	33.6	33.6	33.8	33.9	33.9	34.0	34.4	34.5	34.7	34.7	34.7	34.8
2000	31.6	33.1	33.6	33.8	34.5	34.6	34.8	34.8	34.8	35.0	35.4	35.5	35.7	35.7	35.8	35.6
1000	33.5	35.2	35.7	36.0	36.7	36.8	37.0	37.0	37.0	37.2	37.6	37.8	38.0	38.0	39.1	38.1
500	34.3	36.1	36.6	36.9	37.7	37.7	37.9	38.0	38.0	38.2	38.6	39.7	39.0	39.0	39.0	39.1
0	35.6	37.7	38.3	38.6	39.5	39.6	39.9	40.0	40.0	40.2	40.6	40.8	41.1	41.1	41.2	41.3
4000	36.8	39.1	39.8	40.1	41.1	41.2	41.5	41.6	41.6	41.8	42.2	42.3	42.6	42.6	42.7	42.8
3000	37.0	41.5	42.4	42.7	43.8	43.9	44.3	44.4	44.4	44.7	45.1	45.3	45.5	45.5	45.6	45.7
2000	41.0	43.9	44.9	45.2	46.4	46.5	47.0	47.2	47.2	47.5	48.0	48.1	48.4	48.4	48.5	48.6
1000	42.6	46.0	47.1	47.5	48.9	49.0	49.5	49.7	49.7	50.0	50.6	50.7	51.0	51.0	51.1	51.3
500	46.9	51.0	52.3	52.7	54.4	54.5	55.2	55.4	55.4	56.0	56.6	56.8	57.1	57.1	57.2	57.3
0	50.5	55.9	57.5	58.1	60.2	60.3	61.3	61.5	61.5	62.3	63.0	63.2	63.5	63.5	63.6	63.8
4000	51.2	56.8	58.5	59.3	61.6	61.7	62.7	63.0	63.0	63.8	64.4	64.6	65.0	65.0	65.1	65.2
3000	53.3	60.0	61.9	63.0	65.7	65.8	67.0	67.4	67.8	68.2	69.0	69.2	69.7	69.7	69.8	69.9
2000	56.2	64.3	66.8	68.0	71.3	71.5	73.0	73.4	73.5	74.4	75.4	75.6	76.1	76.1	76.3	76.4
1000	57.6	66.4	69.1	70.4	74.3	74.6	76.2	76.7	76.8	77.9	79.0	79.2	79.8	79.8	80.0	80.1
500	58.1	67.3	70.1	71.6	75.8	76.1	77.8	78.3	78.4	79.6	80.7	81.0	81.7	81.7	81.9	82.0
0	58.5	68.1	71.1	72.7	77.2	77.5	79.3	79.9	80.0	81.3	82.5	82.8	83.5	83.5	83.7	83.9
4000	59.7	68.5	71.7	73.3	78.0	78.3	80.2	80.6	80.9	82.3	83.7	84.0	84.8	84.8	85.0	85.2
3000	59.9	69.2	72.6	74.4	79.6	79.9	82.0	82.9	83.1	84.7	86.4	86.8	87.8	87.8	88.0	88.1
2000	59.1	69.6	73.3	75.1	80.4	80.8	83.1	84.1	84.4	86.3	88.2	88.5	89.7	89.8	90.1	90.3
1000	59.3	69.9	73.7	75.7	81.2	81.6	84.2	85.3	85.6	87.9	90.3	90.7	92.0	92.1	92.4	92.8
500	59.3	70.0	73.8	75.8	81.5	81.9	84.5	85.7	86.1	88.5	91.3	91.7	93.3	93.4	94.0	94.4
0	59.3	70.0	73.8	75.9	81.7	82.2	84.9	86.2	86.6	89.1	92.2	92.6	94.3	94.6	95.2	95.8
4000	59.3	70.1	73.9	76.0	81.8	82.3	85.0	86.4	87.1	89.7	93.0	93.5	95.4	95.7	96.5	97.4
3000	59.3	70.1	73.9	76.0	81.8	82.3	85.0	86.4	87.2	89.8	93.3	93.7	95.8	96.1	97.2	98.0

TOTAL NUMBER OF OBSERVATIONS 5984

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7/120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEAR

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-0000  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	36.4	38.9	41.8	41.0	42.1	42.1	42.1	42.1	42.3	42.4	44.4	44.6	45.0	45.1	45.4	46.7
≥20000	36.7	39.2	41.0	41.3	42.4	42.4	42.4	42.4	42.5	42.6	44.6	44.9	45.2	45.4	45.6	47.0
≥18000	36.8	39.4	41.3	41.5	42.9	42.9	42.9	42.9	43.0	43.1	45.1	45.4	45.7	45.8	46.1	47.5
≥16000	36.8	39.4	41.3	41.6	43.1	43.1	43.1	43.1	43.2	43.4	45.4	45.6	46.0	46.1	46.3	47.7
≥14000	36.8	39.4	41.3	41.6	43.1	43.1	43.1	43.1	43.2	43.4	45.4	45.6	46.0	46.1	46.3	47.7
≥12000	37.2	39.8	41.6	42.0	43.5	43.5	43.5	43.5	43.6	43.7	45.7	46.0	46.3	46.5	46.7	48.1
≥10000	37.2	39.8	41.6	42.0	43.5	43.5	43.5	43.5	43.6	43.7	45.7	46.0	46.3	46.5	46.7	48.1
≥8000	37.2	39.8	41.6	42.0	43.5	43.5	43.5	43.5	43.6	43.7	45.7	46.0	46.3	46.5	46.7	48.1
≥6000	37.9	40.6	42.5	42.9	44.4	44.4	44.4	44.4	44.5	44.6	46.7	47.0	47.3	47.5	47.7	49.1
≥4000	39.7	42.4	44.2	44.6	46.1	46.1	46.1	46.1	46.2	46.3	48.8	49.1	49.6	49.7	50.3	51.7
≥2000	40.0	42.8	44.6	45.0	46.5	46.5	46.5	46.5	46.6	46.7	49.3	49.6	50.1	50.2	50.8	52.2
≥1000	40.9	43.7	45.6	46.0	48.0	48.0	48.0	48.0	48.1	48.2	50.8	51.1	51.5	51.7	52.3	53.7
≥500	41.3	44.1	46.1	46.5	48.6	48.6	48.6	48.6	48.7	48.8	51.4	51.7	52.2	52.3	52.9	54.3
≥250	42.8	46.1	48.1	48.5	50.6	50.6	50.6	50.6	50.7	50.8	53.4	53.7	54.5	54.6	55.3	56.6
≥150	43.6	47.2	49.4	49.8	51.9	51.9	51.9	51.9	52.0	52.2	54.8	55.0	55.9	56.0	56.6	58.0
≥100	44.1	47.8	50.1	50.4	52.9	52.9	52.9	52.9	53.0	53.2	55.8	56.0	56.9	57.0	57.6	59.0
≥75	45.0	48.9	51.4	51.8	54.4	54.4	54.4	54.4	54.5	54.6	57.4	57.6	58.5	58.6	59.2	60.6
≥50	46.7	51.3	54.0	54.8	57.5	57.5	58.1	58.2	58.4	58.6	61.6	61.8	62.7	62.8	63.4	64.8
≥25	46.8	51.4	54.3	55.1	58.1	58.2	59.2	59.4	59.5	59.6	62.7	62.9	63.8	63.9	64.6	65.9
≥15	47.6	52.8	55.9	57.0	60.2	60.3	61.3	61.5	61.6	61.7	64.9	65.2	66.0	66.2	66.9	68.2
≥10	49.7	55.6	59.1	60.7	64.3	64.7	66.0	66.5	66.7	66.8	70.3	70.3	71.1	71.3	71.9	73.2
≥5	50.4	56.9	60.7	62.5	66.8	67.2	68.5	69.0	69.1	69.3	72.5	72.7	73.6	73.7	74.3	75.7
≥2	50.4	57.4	61.3	63.1	67.7	68.2	69.5	70.0	70.1	70.3	73.5	73.7	74.6	74.7	75.3	76.7
≥1	50.7	58.2	62.6	64.4	69.5	70.0	71.9	72.5	72.6	72.7	76.0	76.2	77.2	77.3	77.9	79.4
≥0.5	50.9	58.9	63.6	66.0	71.9	72.4	74.2	74.8	75.0	75.2	78.4	78.7	79.7	79.8	80.4	82.0
≥0.25	51.1	59.1	64.1	66.9	72.9	73.6	75.6	76.2	76.3	76.7	80.0	80.4	81.5	82.2	82.9	84.5
≥0.15	51.1	59.4	64.4	67.3	73.6	74.3	76.6	77.3	77.4	78.7	82.8	83.3	85.1	85.7	86.6	88.6
≥0.1	51.2	59.5	64.6	67.7	74.3	75.1	77.3	78.4	78.6	80.0	85.4	86.0	88.1	88.7	90.0	91.9
≥0.05	51.2	59.5	64.6	67.7	74.6	75.3	77.6	78.7	78.8	80.4	86.1	86.7	90.0	90.6	91.6	94.1
≥0.025	51.2	59.5	64.6	67.7	74.6	75.3	77.6	78.7	78.8	80.4	86.1	86.7	90.0	90.6	91.6	94.1
≥0.01	51.3	59.6	64.7	67.8	74.7	75.5	77.7	78.8	78.9	80.5	86.5	87.1	91.7	92.7	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 607

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2120 CAPE ROMANZOF AFS AK

73-81

266

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0320-2520

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO. CEILING	36.0	38.0	39.4	39.7	41.3	41.3	41.6	41.6	41.6	41.9	43.4	43.8	44.4	44.4	44.4	45.6
≥ 20000	36.0	38.0	39.4	39.7	41.3	41.3	41.6	41.6	41.6	41.9	43.4	43.8	44.4	44.4	44.4	45.6
≥ 18000	36.7	38.6	40.0	40.3	41.9	41.9	42.2	42.2	42.2	42.6	44.2	44.5	45.1	45.1	45.1	46.6
≥ 16000	36.7	38.6	40.0	40.3	41.9	41.9	42.2	42.2	42.2	42.6	44.2	44.5	45.1	45.1	45.1	46.6
≥ 14000	36.7	38.6	40.0	40.3	41.9	41.9	42.2	42.2	42.2	42.6	44.2	44.5	45.1	45.1	45.1	46.6
≥ 12000	36.8	38.7	40.1	40.5	42.1	42.1	42.3	42.3	42.3	42.7	44.3	44.6	45.3	45.3	45.3	46.7
≥ 10000	36.8	38.7	40.1	40.5	42.1	42.1	42.3	42.3	42.3	42.7	44.3	44.6	45.3	45.3	45.3	46.7
≥ 9000	36.8	38.7	40.1	40.5	42.1	42.1	42.3	42.3	42.3	42.7	44.3	44.6	45.3	45.3	45.3	46.7
≥ 8000	36.9	38.9	40.3	40.7	42.4	42.4	42.7	42.7	42.7	43.2	44.8	45.1	45.8	45.8	45.8	47.2
≥ 7000	38.0	40.0	41.6	41.9	43.8	43.8	44.0	44.0	44.0	44.5	46.5	46.9	47.5	47.5	47.5	49.1
≥ 6000	38.7	40.8	42.4	42.8	44.6	44.6	44.9	44.9	44.9	45.4	47.5	47.8	48.5	48.5	48.5	50.3
≥ 5000	39.9	42.4	44.3	44.6	47.0	47.0	47.2	47.2	47.2	47.7	49.8	50.2	50.8	50.8	51.2	52.6
≥ 4500	40.3	43.1	45.1	45.5	47.8	47.8	48.1	48.1	48.1	48.6	50.7	51.0	51.7	51.7	52.7	53.5
≥ 4000	41.8	44.6	46.7	47.1	49.4	49.4	49.7	49.7	49.7	50.2	52.3	52.6	53.6	53.6	54.0	55.5
≥ 3500	42.6	45.9	48.1	48.5	50.9	50.9	51.4	51.4	51.4	51.9	54.0	54.4	55.4	55.4	55.7	57.2
≥ 3000	43.4	46.7	49.0	49.3	51.8	51.8	52.3	52.3	52.3	52.8	55.0	55.4	56.3	56.3	56.7	58.2
≥ 2500	44.9	49.1	51.5	52.0	54.5	54.5	55.2	55.2	55.2	55.7	57.9	58.3	59.3	59.3	59.7	61.1
≥ 2000	46.5	52.2	55.0	55.5	58.2	58.2	60.4	60.4	60.4	60.9	63.1	63.5	64.5	64.5	64.8	66.3
≥ 1800	46.7	52.5	55.4	55.8	58.8	58.9	61.4	61.4	61.4	61.9	64.1	64.5	65.4	65.4	65.8	67.2
≥ 1600	47.8	54.1	57.2	57.8	61.5	61.6	64.3	64.3	64.3	64.8	67.2	67.5	68.5	68.5	68.9	70.4
≥ 1400	50.3	57.4	60.6	61.4	65.4	65.6	68.6	69.2	69.2	69.7	72.2	72.6	73.6	73.6	73.9	75.4
≥ 1200	50.7	58.3	62.6	63.7	67.9	68.2	71.1	71.7	71.7	72.2	74.7	75.2	76.0	76.1	76.5	78.0
≥ 1000	50.9	58.5	63.0	64.3	68.6	68.8	72.0	72.6	72.6	73.1	76.0	76.4	77.5	77.6	78.0	79.5
≥ 900	51.4	59.3	63.8	65.6	70.8	71.0	74.5	75.3	75.3	75.9	79.2	79.6	80.8	81.2	81.5	83.0
≥ 800	51.7	59.7	64.5	66.2	72.1	72.2	75.9	76.6	76.6	77.4	80.7	81.1	82.3	82.7	83.0	84.5
≥ 700	51.8	59.8	64.9	66.8	73.6	73.7	77.6	78.6	78.6	79.3	82.8	83.1	84.4	84.7	85.0	87.1
≥ 600	52.3	60.3	65.4	67.3	74.2	74.4	78.4	79.3	79.3	80.6	84.1	84.6	86.3	87.0	87.8	89.5
≥ 500	52.6	60.6	65.8	67.8	74.8	75.0	79.0	80.7	80.7	82.5	86.6	87.1	89.4	90.2	91.1	92.9
≥ 400	52.6	60.8	65.9	67.9	75.0	75.3	79.2	80.9	80.9	82.8	87.2	87.7	90.0	90.8	92.1	93.6
≥ 300	52.6	60.8	65.9	67.9	75.0	75.3	79.2	80.9	80.9	82.8	87.6	88.1	91.0	91.9	94.1	96.3
≥ 200	52.6	60.8	66.1	68.0	75.2	75.4	79.3	81.1	81.1	82.9	87.7	88.2	91.1	92.1	94.6	97.3
≥ 100	52.6	60.8	66.1	68.0	75.2	75.4	79.3	81.1	81.1	82.9	87.7	88.2	91.5	92.5	95.3	98.0

TOTAL NUMBER OF OBSERVATIONS 613

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72140  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
YEAR

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2000  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
≥ 20000	34.6	36.9	38.2	39.0	41.1	41.1	41.8	41.8	42.0	42.9	44.0	44.2	45.1	45.1	45.5	46.4
19000	34.9	37.3	38.6	39.3	41.4	41.4	42.2	42.2	42.4	43.3	44.4	44.6	45.5	45.5	45.8	46.8
18000	34.9	37.3	38.6	39.3	41.4	41.4	42.2	42.2	42.4	43.3	44.4	44.6	45.5	45.5	45.8	46.8
17000	34.9	37.3	38.6	39.3	41.4	41.4	42.2	42.2	42.4	43.3	44.4	44.6	45.5	45.5	45.8	46.8
16000	35.0	37.4	38.7	39.5	41.5	41.5	42.3	42.3	42.5	43.4	44.5	44.7	45.6	45.6	46.0	46.9
15000	35.0	37.6	39.0	39.7	41.8	41.8	42.5	42.5	42.8	43.6	44.7	45.0	45.8	45.8	46.2	47.2
14000	35.0	37.6	39.0	39.7	41.8	41.8	42.5	42.5	42.8	43.6	44.7	45.0	45.8	45.8	46.2	47.2
13000	35.0	37.6	39.0	39.7	41.8	41.8	42.5	42.5	42.8	43.6	44.7	45.0	45.8	45.8	46.2	47.2
12000	35.4	38.1	39.5	40.2	42.3	42.3	43.1	43.1	43.4	44.4	45.5	45.7	46.6	46.6	46.9	47.9
11000	35.9	38.6	40.0	40.7	43.0	43.0	43.9	43.9	44.1	45.1	46.6	46.8	47.7	47.7	48.0	49.0
10000	36.6	39.3	41.7	41.5	43.9	43.9	44.7	44.7	45.0	46.0	47.4	47.7	48.7	48.7	49.1	50.1
9000	37.7	41.1	42.9	43.8	46.3	46.3	47.2	47.2	47.4	48.4	49.9	50.1	51.1	51.1	51.6	52.6
8000	38.8	42.6	44.6	45.5	48.4	48.4	49.3	49.3	49.5	50.5	52.0	52.2	53.2	53.2	53.7	54.7
7000	40.0	44.0	46.2	47.1	50.6	50.7	51.7	51.7	52.0	52.9	54.8	55.0	56.0	56.0	56.5	57.6
6000	40.8	45.3	47.5	48.4	52.0	52.1	53.1	53.1	53.3	54.3	56.1	56.4	57.4	57.4	57.8	58.9
5000	41.9	46.7	48.9	49.8	53.4	53.7	54.7	54.7	54.9	55.9	57.7	58.0	58.9	58.9	59.4	60.5
4000	43.6	49.3	51.5	52.5	56.3	56.6	58.0	58.1	58.3	59.3	61.2	61.4	62.4	62.4	62.9	64.0
3000	44.7	50.4	52.8	53.8	57.8	58.2	60.3	60.4	60.7	61.6	63.6	63.8	64.8	64.8	65.3	66.4
2000	44.7	50.4	52.8	53.8	57.8	58.2	60.3	60.4	60.7	61.6	63.7	64.0	65.0	65.0	65.7	66.9
1000	45.0	52.1	55.6	57.0	61.6	62.1	64.6	64.7	65.0	66.1	68.5	68.8	69.7	69.7	70.5	71.9
500	48.2	55.0	59.1	60.5	65.4	65.9	68.9	69.6	69.9	71.2	73.7	73.9	74.9	74.9	75.6	77.1
200	49.4	56.4	60.8	62.4	67.5	68.1	71.4	72.2	72.4	73.8	76.6	76.8	77.8	77.9	78.7	80.1
100	49.6	56.6	61.2	62.9	68.4	69.0	72.3	73.0	73.3	74.6	77.5	77.7	78.8	78.9	79.8	81.4
50	50.2	57.5	62.3	64.0	69.9	70.7	74.4	75.2	75.5	77.0	80.3	80.5	81.6	81.7	82.6	84.2
20	50.6	58.2	63.0	64.7	71.0	71.8	75.5	76.5	76.7	78.3	81.7	82.0	83.1	83.2	84.2	85.8
10	50.9	58.8	64.2	66.1	72.7	73.5	77.2	78.2	78.4	80.0	83.5	83.7	84.8	84.9	85.9	87.6
5	51.1	59.4	65.1	67.0	73.9	75.0	79.0	80.1	80.4	82.2	85.8	86.0	87.1	87.3	88.2	90.2
2	51.2	59.9	65.6	67.8	74.6	75.7	80.1	81.6	81.9	84.3	88.0	88.2	89.6	89.7	90.7	93.0
1	51.2	59.9	65.6	67.8	74.6	75.7	80.1	81.7	82.0	84.6	88.2	88.5	90.1	90.2	91.3	94.1
0	51.2	59.9	65.6	67.8	74.6	75.7	80.3	81.9	82.1	84.7	88.5	88.7	90.6	90.7	92.9	96.9
0	51.2	59.9	65.6	67.8	74.6	75.7	80.3	81.9	82.1	84.7	88.5	88.7	91.2	91.4	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120 CAPE ROMANZOF AFS AK

73-61

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	31.5	33.2	33.9	34.2	34.9	35.0	35.9	36.3	36.4	37.5	38.0	38.3	38.6	38.7	39.3	39.6
18000	31.0	33.7	34.4	34.7	35.4	35.5	36.4	36.8	36.9	38.0	38.5	38.8	39.1	39.2	39.9	40.2
16000	31.9	34.9	35.8	36.0	36.8	36.9	37.7	38.1	38.2	39.4	40.0	40.4	40.7	40.8	41.4	41.6
14000	32.1	35.3	36.3	36.5	37.2	37.4	38.2	38.6	38.7	39.9	40.5	40.9	41.1	41.3	41.9	42.1
12000	32.4	35.5	36.5	36.8	37.5	37.6	38.5	38.8	38.9	40.2	40.8	41.1	41.4	41.5	42.1	42.4
10000	32.4	35.7	36.6	36.9	37.6	37.7	38.6	38.9	39.1	40.3	40.9	41.3	41.5	41.6	42.2	42.5
8000	32.6	35.9	36.9	37.1	37.9	38.0	38.8	39.2	39.3	40.5	41.1	41.5	41.8	41.9	42.5	42.7
6000	32.6	35.9	36.9	37.1	37.9	38.0	38.8	39.2	39.3	40.5	41.1	41.5	41.8	41.9	42.5	42.7
4000	33.6	37.5	38.6	38.8	39.7	39.8	40.7	41.1	41.3	42.5	43.2	43.6	43.8	44.0	44.6	44.8
2000	34.2	38.2	39.4	39.7	40.5	40.7	41.5	42.0	42.1	43.5	44.1	44.4	44.8	44.9	45.5	45.8
1000	34.6	38.8	40.0	40.3	41.1	41.3	42.1	42.6	42.7	44.1	44.7	45.1	45.4	45.5	46.2	46.4
500	36.1	40.5	41.9	42.1	43.1	43.2	44.1	44.6	44.7	46.3	46.9	47.3	47.6	47.7	48.8	48.6
250	37.1	41.5	42.9	43.1	44.2	44.3	45.2	45.7	45.9	47.4	48.0	48.4	48.7	48.8	49.5	49.7
100	38.5	43.3	44.7	45.1	46.3	46.4	47.3	48.0	48.1	49.8	50.4	50.8	51.2	51.3	51.9	52.1
50	40.3	45.5	46.9	47.3	48.6	48.7	49.6	50.3	50.4	52.1	52.9	53.2	53.7	53.8	54.5	54.7
25	42.9	46.9	47.9	48.2	49.7	49.9	50.8	51.5	51.6	53.4	54.2	54.6	55.1	55.2	55.8	56.0
10	43.1	49.3	50.9	51.3	53.0	53.2	54.1	54.8	55.1	56.8	57.8	58.1	58.6	58.7	59.3	59.6
5	44.9	51.5	53.4	53.7	56.0	56.5	57.6	58.4	58.6	60.3	61.4	62.0	62.9	63.0	63.5	63.9
2	45.3	52.1	54.0	54.3	56.7	57.1	58.2	59.0	59.2	60.9	62.0	62.6	63.5	63.6	64.2	64.5
1	48.1	55.6	57.6	58.4	60.8	61.8	63.0	64.0	64.3	66.2	67.4	68.0	68.9	69.0	69.6	70.4
0.5	48.5	57.0	59.6	60.7	63.7	64.7	66.2	67.2	67.5	69.5	70.7	71.3	72.3	72.4	73.0	73.5
0.25	49.9	59.6	62.1	63.7	67.6	68.6	70.5	71.7	72.2	74.5	75.9	76.6	77.7	77.8	78.4	79.2
0.1	49.9	59.8	62.6	64.3	68.7	69.7	71.6	72.8	73.3	75.7	77.2	77.8	79.0	79.1	79.7	80.6
0.05	50.1	60.2	63.0	64.7	69.4	70.3	72.6	73.9	74.4	77.0	79.0	79.6	80.8	81.0	81.6	82.4
0.025	51.2	60.4	63.2	65.0	70.0	70.9	73.4	74.7	75.3	78.1	80.1	80.7	81.9	82.2	82.8	83.6
0.01	50.9	62.0	65.2	67.0	72.5	73.6	76.3	77.7	78.3	81.2	83.4	84.0	85.6	85.8	86.4	87.1
0.005	50.9	62.3	65.6	67.4	73.0	74.2	77.0	78.4	79.1	82.1	84.5	85.1	86.7	86.9	87.5	88.5
0.0025	50.7	62.4	65.7	67.5	73.3	74.5	77.4	78.8	79.5	82.7	86.1	86.7	88.4	88.6	89.7	90.8
0.001	51.0	62.5	65.8	67.6	73.4	74.6	77.8	79.5	80.2	83.8	88.0	88.8	90.8	91.1	92.4	94.0
0.0005	51.4	63.0	66.4	68.3	74.0	75.2	78.4	80.1	80.8	84.5	89.3	90.0	92.3	92.6	94.1	95.8
0.00025	51.4	63.0	66.4	68.3	74.0	75.2	78.5	80.3	81.1	84.7	90.4	91.1	93.7	93.9	95.5	97.7
0.0001	51.4	63.0	66.4	68.3	74.0	75.2	78.5	80.3	81.1	84.7	90.5	91.2	94.1	94.4	96.1	98.0

TOTAL NUMBER OF OBSERVATIONS 619



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

702120

CAPE ROMANZOF AFS AK

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1222-1400

ELEVATION FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0-1000	33.9	34.2	35.2	35.3	37.0	37.0	37.2	37.9	38.0	38.5	39.5	39.6	40.1	40.6	40.6	41.1
1000-2000	31.7	35.1	36.1	36.2	37.9	37.9	38.2	38.9	39.0	39.6	40.5	40.6	41.1	41.6	41.6	42.1
2000-3000	32.6	36.1	37.6	38.1	39.7	39.7	40.1	40.8	40.9	41.5	42.5	42.6	43.1	43.6	43.6	44.3
3000-4000	33.1	36.6	38.2	38.9	40.5	40.5	40.9	41.5	41.6	42.3	43.3	43.4	44.0	44.5	44.7	45.3
4000-5000	33.2	36.7	38.5	39.1	40.8	40.8	41.1	41.8	41.9	42.5	43.5	43.6	44.3	44.8	45.7	45.7
5000-6000	33.5	37.0	38.7	39.5	41.1	41.1	41.5	42.1	42.3	42.9	43.7	44.0	44.8	45.3	45.5	46.2
6000-7000	34.1	37.7	39.5	40.3	41.9	41.9	42.3	42.9	43.0	43.6	44.7	44.8	45.5	46.0	46.3	46.9
7000-8000	34.2	37.9	39.6	40.4	42.0	42.0	42.4	43.0	43.1	43.8	44.8	44.9	45.7	46.2	46.4	47.0
8000-9000	35.2	39.1	40.9	41.6	43.3	43.3	43.6	44.3	44.4	45.0	46.0	46.2	46.9	47.4	47.7	48.3
9000-10000	36.7	41.0	42.8	43.6	45.3	45.3	45.7	46.3	46.4	47.0	48.1	48.2	48.9	49.4	49.7	50.4
10000-11000	37.0	41.4	43.1	44.0	45.7	45.7	46.0	46.7	46.8	47.4	48.4	48.6	49.3	49.8	50.1	50.8
11000-12000	39.0	43.4	45.3	46.2	47.8	47.8	48.2	48.8	48.9	49.6	50.6	50.7	51.4	51.9	52.2	53.0
12000-13000	39.9	44.3	46.2	47.0	48.7	48.8	49.2	49.8	49.9	50.6	51.6	51.7	52.5	53.0	53.2	54.0
13000-14000	41.3	45.7	47.8	48.7	50.4	50.6	50.9	51.6	51.7	52.3	53.5	53.6	54.3	54.8	55.1	55.8
14000-15000	42.9	47.5	49.7	50.8	52.8	53.0	53.3	54.0	54.1	54.7	55.8	56.0	56.7	57.2	57.5	58.2
15000-16000	43.3	48.1	50.3	51.4	54.1	54.2	54.7	55.3	55.5	56.1	57.2	57.4	58.1	58.6	58.9	59.6
16000-17000	44.7	50.1	52.3	53.5	56.4	56.5	57.0	57.6	57.7	58.4	59.5	59.6	60.5	61.0	61.4	62.1
17000-18000	46.7	52.3	54.5	55.8	58.9	59.0	59.6	60.3	60.4	61.1	62.4	62.5	63.5	64.3	64.7	65.5
18000-19000	46.7	52.6	54.8	56.1	59.1	59.2	59.9	60.5	60.6	61.4	62.6	62.8	63.8	64.5	64.9	65.8
19000-20000	43.9	55.2	58.0	59.2	62.4	62.5	63.4	64.0	64.2	65.0	66.5	66.7	67.7	68.4	68.9	70.1
20000-21000	40.8	58.0	61.3	63.0	66.9	67.3	68.6	69.2	69.3	70.2	71.7	71.8	72.8	73.6	74.1	75.3
21000-22000	50.7	60.0	63.9	65.9	69.9	70.6	72.1	73.2	73.3	74.6	76.5	76.7	77.7	78.5	79.1	80.5
22000-23000	50.9	60.3	64.2	66.2	70.7	71.4	73.2	74.3	74.6	75.8	77.9	78.1	79.1	79.9	80.5	82.0
23000-24000	50.9	60.8	64.7	66.8	71.3	72.1	74.1	75.2	75.5	76.7	79.0	79.2	80.3	81.0	81.5	83.3
24000-25000	51.3	61.3	65.2	67.3	72.5	73.2	75.3	76.5	76.7	78.2	80.8	81.0	82.3	83.3	84.2	85.8
25000-26000	51.4	61.4	65.5	67.7	73.0	73.8	76.2	77.5	77.9	79.6	82.6	82.9	84.3	85.4	86.3	87.9
26000-27000	51.4	61.6	65.9	68.1	74.1	75.0	77.4	78.7	79.4	81.6	86.0	86.3	87.9	89.1	89.9	92.2
27000-28000	51.7	61.9	66.2	68.3	74.5	75.5	78.0	79.4	80.0	82.6	87.3	87.5	89.3	90.4	91.3	93.7
28000-29000	51.8	62.1	66.5	68.7	75.0	76.0	78.5	80.3	80.9	83.9	89.1	89.4	91.4	92.6	93.5	96.0
29000-30000	51.8	62.1	66.5	68.7	75.0	76.0	78.5	80.3	80.9	84.2	89.5	89.9	92.1	93.3	94.3	97.5
30000-31000	51.8	62.1	66.5	68.7	75.0	76.0	78.5	80.3	80.9	84.2	89.7	90.1	92.3	93.6	94.6	98.7

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 1120 CAPE ROMANZOF AFS AK

73-61

255

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15-2-1722

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	31.5	34.6	35.7	35.5	36.3	36.3	36.3	36.9	36.9	37.5	38.1	39.2	39.0	39.0	39.5	40.1
8000	31.5	35.0	35.5	35.9	36.7	36.7	36.7	37.3	37.3	37.9	38.6	38.7	39.5	39.5	39.9	40.6
6000	31.5	35.2	35.6	36.1	36.9	36.9	36.9	37.5	37.5	38.1	38.7	38.9	39.6	39.6	40.1	40.7
4000	32.3	35.9	36.4	36.9	37.6	37.6	37.6	38.2	38.2	38.9	39.5	39.5	40.4	40.4	40.9	41.6
2000	32.3	35.9	36.4	36.9	37.6	37.6	37.6	38.2	38.2	38.9	39.5	40.1	40.9	40.9	41.3	42.1
1000	32.6	36.3	37.2	37.6	38.4	38.4	38.4	39.2	39.2	39.6	40.7	40.9	41.6	41.6	42.1	42.9
500	33.2	36.9	37.9	38.4	39.2	39.2	39.2	39.8	39.8	40.4	41.5	41.6	42.4	42.4	42.9	43.6
250	33.2	36.9	37.9	38.4	39.2	39.2	39.2	39.8	39.8	40.4	41.5	41.6	42.4	42.4	42.9	43.6
100	34.1	38.2	39.5	39.9	40.7	40.7	40.7	41.3	41.3	41.9	43.0	43.2	43.9	43.9	44.4	45.2
50	35.9	40.6	41.8	42.2	43.0	43.0	43.0	43.6	43.6	44.2	45.3	45.5	46.2	46.2	46.7	47.8
25	36.7	41.3	42.5	43.0	43.8	43.8	43.8	44.4	44.4	45.0	46.1	46.2	47.0	47.0	47.5	48.5
10	37.5	42.2	43.5	43.9	44.7	44.7	44.7	45.3	45.3	45.9	47.2	47.2	47.9	47.9	48.4	49.5
5	39.2	43.9	45.3	45.8	46.5	46.5	46.5	47.2	47.2	47.8	48.8	49.0	49.8	49.8	50.2	51.3
2	41.6	46.7	48.2	48.8	49.9	50.1	50.2	50.8	50.8	51.6	52.7	52.8	53.6	53.6	54.1	55.1
1	44.2	49.3	51.1	51.6	53.1	53.3	53.5	54.1	54.1	54.8	55.9	56.1	56.8	56.8	57.3	58.4
0.5	45.0	50.5	52.4	53.0	54.8	55.0	55.6	56.2	56.2	57.0	58.1	58.2	59.1	59.1	59.9	60.8
0.25	47.2	53.3	55.1	55.8	57.6	57.8	58.5	59.1	59.1	59.9	61.0	61.1	62.4	62.4	63.4	64.5
0.1	47.8	54.5	56.4	57.1	59.1	59.3	60.1	60.7	60.7	61.4	62.8	63.4	64.2	64.2	65.3	66.4
0.05	49.2	55.0	56.8	57.6	59.6	59.8	60.5	61.1	61.1	61.9	63.3	63.4	64.7	64.7	65.7	66.8
0.025	49.5	57.1	59.0	59.9	62.2	62.4	63.1	63.7	63.7	64.5	65.3	66.1	67.3	67.3	68.4	69.4
0.01	49.9	58.4	60.4	61.4	64.7	65.1	65.9	66.5	66.5	67.4	68.8	69.0	70.2	70.2	71.3	72.4
0.005	49.9	59.1	61.1	62.2	65.4	65.9	66.8	68.2	68.2	69.3	71.0	71.1	72.7	72.7	73.7	75.0
0.0025	50.2	59.6	61.8	62.8	66.2	66.7	67.9	69.3	69.3	70.4	72.5	72.7	74.2	74.2	75.3	76.5
0.001	50.5	60.1	62.5	63.6	67.1	67.6	69.0	70.4	70.4	71.6	73.7	73.9	75.4	75.4	76.5	77.9
0.0005	50.7	60.5	63.3	64.4	68.8	69.3	70.7	72.0	72.0	73.6	75.7	75.9	77.4	77.4	78.5	80.0
0.00025	51.0	61.0	63.9	65.0	69.6	70.0	71.4	72.8	72.8	74.3	76.5	76.7	78.2	78.5	79.7	81.3
0.0001	51.0	61.3	64.2	65.6	70.2	70.8	72.2	73.6	73.6	75.4	77.7	78.2	79.9	80.2	81.4	83.1
0.00005	51.5	62.1	65.4	67.0	71.6	72.2	74.2	75.7	76.0	78.0	81.6	82.2	84.3	84.8	86.0	88.2
0.000025	51.8	62.4	65.7	67.3	71.9	72.5	74.7	76.3	76.7	78.6	83.7	84.3	86.9	87.6	89.1	91.0
0.00001	51.8	62.4	65.7	67.3	71.9	72.5	74.7	76.7	77.0	79.3	84.8	85.4	88.0	88.6	90.3	92.9
0.000005	51.8	62.4	65.7	67.3	71.9	72.5	74.7	76.7	77.0	79.9	85.6	86.2	89.2	89.9	91.9	94.6
0.0000025	51.8	62.4	65.7	67.3	71.9	72.5	74.7	76.7	77.0	79.9	86.0	86.6	90.8	91.6	94.0	97.0

TOTAL NUMBER OF OBSERVATIONS 653

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72125 CAPE ROMANZOF AFS AK

73-74,77-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1950-1959

		CEILING (FEET)															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	35.5	36.9	37.6	37.6	38.2	38.4	38.4	38.4	38.4	39.3	40.1	40.1	40.3	40.3	40.3	40.3	40.3
900	35.7	37.2	37.6	37.8	38.4	38.6	38.6	38.6	38.6	39.5	40.3	40.3	40.6	40.6	40.6	40.6	40.6
800	36.3	37.8	38.4	38.4	39.1	39.3	39.3	39.3	39.3	40.1	41.0	41.0	41.2	41.2	41.2	41.2	41.2
700	36.9	38.9	39.5	39.5	40.1	40.3	40.3	40.3	40.3	41.2	42.0	42.0	42.3	42.3	42.3	42.3	42.3
600	36.9	38.9	39.5	39.5	40.1	40.3	40.3	40.3	40.3	41.2	42.0	42.0	42.3	42.3	42.3	42.3	42.3
500	37.2	39.1	39.9	39.9	40.8	41.0	41.0	41.0	41.0	41.9	42.7	42.7	43.0	43.0	43.0	43.0	43.0
400	37.2	39.1	39.9	39.9	41.0	41.2	41.2	41.2	41.2	42.0	42.9	42.9	43.5	43.5	43.5	43.5	43.5
300	37.2	39.1	39.9	39.9	41.0	41.2	41.2	41.2	41.2	42.0	42.9	42.9	43.5	43.5	43.5	43.5	43.5
200	37.6	39.5	40.3	40.3	41.4	41.6	41.6	41.6	41.6	42.5	43.3	43.3	43.9	43.9	43.9	43.9	43.9
100	38.9	41.0	41.8	41.8	42.9	43.1	43.1	43.1	43.1	43.9	45.0	45.0	45.9	45.9	45.9	45.9	45.9
50	39.1	41.2	42.0	42.0	43.1	43.3	43.3	43.3	43.3	44.2	45.2	45.2	46.1	46.1	46.1	46.1	46.1
0	39.5	41.8	42.7	42.7	43.7	43.9	43.9	43.9	43.9	44.8	45.9	45.9	46.7	46.7	46.7	46.7	46.7
1000	40.8	43.1	43.9	43.9	45.0	45.2	45.2	45.2	45.2	46.1	47.1	47.1	48.0	48.0	48.0	48.0	48.0
900	42.3	45.2	46.1	46.1	47.1	47.3	47.3	47.3	47.3	48.2	49.3	49.3	50.1	50.1	50.1	50.1	50.1
800	43.3	46.7	47.6	47.6	48.6	49.0	49.0	49.0	49.0	49.9	51.0	51.0	51.8	51.8	51.8	51.8	51.8
700	44.6	48.4	49.5	49.5	50.5	51.0	51.0	51.0	51.0	51.8	52.9	52.9	53.7	53.7	53.7	53.7	53.7
600	45.4	49.3	51.2	51.8	53.3	53.7	53.7	53.7	53.7	54.6	55.6	55.6	56.5	56.5	56.5	56.5	56.5
500	47.1	51.6	53.7	54.6	56.3	56.7	56.9	56.9	56.9	57.7	58.8	58.8	59.7	59.7	59.7	59.7	59.7
400	47.6	52.2	54.6	55.4	57.1	57.5	57.7	57.7	57.7	58.6	59.7	59.7	60.5	60.5	60.5	60.5	60.5
300	48.2	53.7	56.7	57.5	59.9	60.3	60.5	60.5	60.5	61.4	62.4	62.4	63.3	63.3	63.3	63.3	63.3
200	48.8	54.4	58.2	59.7	62.4	62.8	63.9	64.3	64.3	65.2	66.7	66.7	67.5	67.5	67.5	67.5	67.5
100	49.5	55.0	59.2	60.7	63.7	64.1	65.4	66.2	66.2	67.1	69.2	69.2	70.3	70.3	70.3	70.3	70.3
50	49.7	55.2	60.1	61.6	64.5	65.0	66.2	67.1	67.1	68.6	70.7	70.7	71.8	71.8	71.8	71.8	71.8
0	50.7	56.3	61.1	62.6	65.6	66.2	67.7	68.6	68.6	70.1	72.8	72.8	74.1	74.1	74.1	74.1	74.1
1000	51.8	57.5	62.6	64.1	67.7	68.4	69.9	70.7	70.7	72.4	75.2	75.2	76.4	76.4	76.4	76.4	76.4
900	52.4	58.2	63.3	64.8	68.4	69.0	70.5	71.3	71.3	73.2	76.0	76.4	77.7	77.7	77.7	77.7	77.7
800	52.9	58.8	63.9	65.4	69.0	69.6	71.1	72.0	72.0	73.9	76.6	77.1	78.6	78.6	78.6	78.6	78.6
700	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	80.3	80.7	82.2	82.2	82.2	82.2	82.2
600	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.3	81.7	84.5	84.5	84.5	84.5	84.5
500	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.5	82.0	85.6	85.6	85.6	85.6	85.6
400	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.7	82.2	86.2	86.2	86.2	86.2	86.2
300	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.7	82.2	86.4	86.4	86.4	86.4	86.4
200	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.7	82.2	86.4	86.4	86.4	86.4	86.4
100	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.7	82.2	86.4	86.4	86.4	86.4	86.4
0	53.1	59.4	65.2	66.7	70.3	71.1	72.6	74.3	74.3	76.2	81.7	82.2	86.4	86.4	86.4	86.4	86.4

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 2125 CAPE ROMANZOF AFS AK

73-01

250

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

112-2322

ELEVATION FEET		VISIBILITY MILES																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0-100	37.8	39.6	41.3	42.5	41.6	41.6	41.9	41.9	41.9	42.6	44.7	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
101-200	37.8	39.6	40.3	42.5	41.6	41.6	41.9	41.7	41.7	42.6	44.7	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
201-300	38.6	40.3	41.1	41.3	42.4	42.4	42.7	42.7	42.7	43.4	44.8	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
301-400	39.7	41.5	42.2	42.4	43.5	43.5	43.8	43.8	43.8	44.5	46.7	46.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
401-500	39.7	41.5	42.2	42.4	43.5	43.5	43.8	43.8	43.8	44.5	46.7	46.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
501-600	39.9	41.6	42.4	42.6	43.7	43.7	44.0	44.0	44.0	44.6	46.2	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
601-700	40.0	41.8	42.6	42.7	43.8	43.8	44.1	44.1	44.1	44.8	46.4	46.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
701-800	40.0	41.8	42.6	42.7	44.0	44.0	44.5	44.5	44.5	45.1	46.7	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
801-900	40.3	42.2	43.0	43.2	44.5	44.5	44.9	44.9	44.9	45.6	47.2	47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
901-1000	41.2	43.8	44.6	44.8	46.0	46.0	46.7	46.7	46.7	47.3	49.8	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
1001-1100	42.1	44.3	44.9	44.9	46.2	46.2	46.8	46.8	46.8	47.5	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
1101-1200	42.9	44.5	45.3	45.4	47.0	47.0	47.6	47.6	47.6	48.3	50.8	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
1201-1300	43.7	45.9	46.7	46.6	48.6	48.6	49.2	49.2	49.2	49.8	52.4	52.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
1301-1400	45.4	48.1	48.9	49.1	52.8	52.8	51.4	51.4	51.4	52.1	54.6	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
1401-1500	46.5	49.5	51.3	50.5	52.4	52.4	53.0	53.0	53.0	53.6	56.2	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
1501-1600	47.6	51.1	51.9	52.1	54.3	54.3	54.9	54.9	54.9	55.5	58.1	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
1601-1700	48.1	52.4	53.5	53.8	56.7	56.7	56.6	56.6	56.6	57.3	59.8	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
1701-1800	49.2	53.5	55.5	56.0	58.5	58.5	59.5	59.5	59.5	60.1	63.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
1801-1900	50.0	54.4	56.5	57.0	59.5	59.5	60.6	60.6	60.6	61.2	64.1	64.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
1901-2000	51.4	55.9	58.1	58.5	61.4	61.4	62.5	62.7	62.7	63.3	66.1	66.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2001-2100	52.7	57.8	61.1	61.7	65.8	65.8	67.7	68.4	68.4	69.1	72.2	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2101-2200	53.3	58.5	62.0	63.0	67.6	67.6	69.6	70.3	70.3	71.4	74.4	74.5	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2201-2300	53.5	58.7	62.2	63.3	67.9	67.9	69.9	70.6	70.6	71.7	75.2	75.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
2301-2400	53.6	59.2	62.7	63.9	69.0	69.0	72.0	72.6	72.6	73.7	77.5	77.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2401-2500	54.0	59.5	63.7	64.4	69.5	69.5	72.5	73.1	73.1	74.2	78.6	78.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2501-2600	54.2	59.5	63.7	64.4	69.5	69.6	72.9	73.6	73.6	74.8	79.3	79.6	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2601-2700	54.1	59.8	63.3	64.9	69.9	70.1	73.7	74.4	74.4	76.4	81.2	82.0	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2701-2800	54.1	60.0	63.6	65.3	70.9	71.0	74.7	76.3	76.3	76.3	83.9	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2801-2900	54.1	60.0	63.6	65.3	70.9	71.0	74.7	76.3	76.3	76.3	84.0	84.8	88.3	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6
2901-3000	54.1	60.1	63.8	65.7	71.2	71.4	75.0	76.6	76.6	76.6	84.5	85.4	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
3001-3100	54.1	60.1	63.8	65.7	71.2	71.4	75.0	76.6	76.6	76.6	84.7	85.6	90.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 632

## CEILING VERSUS VISIBILITY

73-51

242

TOTAL NUMBER OF OBSERVATIONS 1024

USAF FIAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 0127

CAPE ROMANOF AFS AK

73-01

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

ELEVATION FEET	VISIBILITY STATUTE MILES															
	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	13/10	14/10	15/10	16/10
0-100	26.2	27.8	28.3	28.5	29.1	29.2	29.5	29.6	29.7	30.0	30.4	30.4	31.6	31.7	32.6	32.7
101-200	27.2	28.8	29.3	29.5	30.2	30.2	30.5	30.7	30.7	31.2	31.5	31.5	31.7	31.9	31.9	32.1
201-300	28.3	29.7	30.3	30.5	31.1	31.2	31.5	31.7	31.7	32.0	32.5	32.5	32.8	32.9	32.9	33.0
301-400	29.3	30.9	30.6	30.6	31.5	31.6	31.9	32.2	32.1	32.4	32.8	32.9	33.1	33.1	33.3	33.4
401-500	29.5	30.2	30.8	31.0	31.7	31.7	32.0	32.2	32.2	32.6	33.1	33.1	33.3	33.3	33.5	33.6
501-600	28.8	30.5	31.1	31.3	32.0	32.0	32.3	32.5	32.6	32.9	33.1	33.4	33.6	33.7	33.9	34.0
601-700	29.3	31.1	31.7	31.9	32.6	32.7	33.0	33.2	33.2	33.5	34.0	34.0	34.3	34.3	34.4	34.5
701-800	29.8	31.6	32.2	32.4	33.1	33.2	33.5	33.7	33.7	34.0	34.5	34.5	34.8	34.8	35.0	35.1
801-900	31.4	33.3	34.0	34.2	34.9	35.0	35.3	35.5	35.6	35.9	36.4	36.4	36.7	36.7	36.9	37.0
901-1000	33.5	35.5	36.2	36.5	37.2	37.3	37.7	37.9	37.9	38.3	38.8	38.8	39.1	39.1	39.3	39.4
1001-1100	34.3	36.4	37.1	37.4	38.2	38.3	38.6	38.9	38.9	39.2	39.8	39.8	40.1	40.2	40.3	40.5
1101-1200	37.6	37.8	38.6	39.0	39.8	39.9	40.3	40.5	40.5	40.9	41.5	41.5	41.8	41.9	42.1	42.2
1201-1300	38.4	38.7	39.5	39.9	40.8	40.9	41.3	41.5	41.5	41.9	42.5	42.5	42.9	42.9	43.1	43.3
1301-1400	37.9	41.1	42.0	42.4	43.4	43.5	43.9	44.1	44.2	44.6	45.1	45.2	45.6	45.6	45.8	46.0
1401-1500	40.0	43.3	44.4	44.8	45.8	46.0	46.4	46.7	46.7	47.1	47.7	47.7	48.2	48.2	48.4	48.6
1501-1600	42.5	45.9	46.7	47.1	48.3	48.5	48.9	49.2	49.3	49.7	50.3	50.4	50.8	51.0	51.2	51.3
1601-1700	45.1	48.6	49.9	50.3	51.6	51.7	52.2	52.5	52.6	53.1	53.7	53.8	54.2	54.3	54.5	54.7
1701-1800	48.1	52.1	53.1	53.9	55.4	55.5	56.2	56.5	56.6	57.1	57.8	57.7	58.3	58.4	58.6	58.9
1801-1900	48.8	52.9	54.7	54.9	56.4	56.6	57.3	57.5	57.7	58.2	58.9	59.0	59.5	59.6	59.7	60.0
1901-2000	51.0	56.5	58.0	58.6	60.5	60.7	61.5	61.7	62.1	62.6	63.3	63.4	63.9	64.1	64.2	64.5
2001-2100	55.4	60.9	62.7	63.7	65.7	65.0	67.0	67.5	67.6	68.3	69.1	69.2	69.7	69.8	70.0	70.1
2101-2200	57.5	63.5	65.7	66.6	69.1	69.5	70.4	71.1	71.2	72.2	73.0	73.1	73.7	73.7	74.0	74.1
2201-2300	58.6	64.9	67.2	68.3	70.8	71.2	72.4	73.0	73.1	74.0	75.0	75.1	75.7	75.8	76.1	76.4
2301-2400	62.3	65.9	68.3	69.5	72.2	72.6	73.9	74.6	74.7	75.7	76.8	76.9	77.6	77.7	78.0	78.1
2401-2500	59.3	66.7	69.3	70.6	73.4	73.6	75.1	75.9	75.1	77.1	78.4	78.5	79.2	79.3	79.5	80.0
2501-2600	60.9	66.4	71.1	72.5	75.7	76.1	77.7	78.6	78.9	80.0	81.5	81.6	82.4	82.5	82.9	83.2
2601-2700	62.0	69.9	72.9	74.5	77.9	78.4	80.2	81.3	81.5	82.9	84.6	84.6	85.7	85.8	86.3	86.7
2701-2800	63.1	71.6	74.9	76.6	80.3	80.9	82.9	84.2	84.6	86.2	88.4	88.6	89.7	89.8	90.3	90.5
2801-2900	63.4	72.3	75.7	77.6	81.5	82.1	84.3	85.7	86.1	87.9	90.5	90.7	92.0	92.1	92.7	93.4
2901-3000	63.6	72.7	76.1	78.1	82.2	82.9	85.2	86.7	87.2	89.2	92.0	92.5	93.9	94.1	94.9	95.8
3001-3100	63.6	72.8	76.3	78.4	82.6	83.3	85.7	87.4	87.9	90.1	93.5	93.9	95.6	95.9	96.9	98.0
3101-3200	63.0	72.8	76.4	78.4	82.6	83.3	85.7	87.4	88.7	90.2	93.8	94.1	95.7	96.4	97.5	98.0

TOTAL NUMBER OF OBSERVATIONS 4522

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,  
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

7 2120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
PERIOD

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	21.1			16.1						19.0	43.8	6.6	752
	03-05	20.6			18.7						18.9	42.5	6.5	789
	06-08	16.2			18.8						18.9	46.1	6.9	794
	09-11	9.0			15.4						25.8	49.6	7.8	803
	12-14	7.8			15.6						34.1	42.5	7.8	786
	15-17	5.6			17.3						21.8	45.3	7.9	620
	18-20	6.6			16.4						30.8	44.2	7.7	373
	21-23	18.1			16.8						21.3	43.8	6.8	536
TOTALS		17.4			16.8						25.1	44.8	7.3	5449

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## SKY COVER

FE8  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	30.7			19.4						16.5	33.1	5.4	680
	03-05	29.4			18.9						13.8	37.9	5.6	708
	06-08	24.8			18.0						17.6	39.6	6.1	717
	09-11	14.1			22.7						29.2	34.0	5.7	739
	12-14	11.2			25.8						26.8	36.3	5.8	714
	15-17	8.6			26.5						27.5	35.5	6.9	629
	18-20	12.0			32.1						17.6	38.3	6.4	392
	21-23	27.2			20.8						17.4	34.6	5.7	500
TOTALS		19.6			23.3						20.8	36.2	6.2	5079

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## SKY COVER

73-81

APR  
MONY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	13.2			19.2						16.1	46.5	6.7	765
	03-05	10.2			22.3						20.1	47.5	7.2	807
	06-08	8.4			20.5						24.4	46.7	7.5	810
	09-11	7.2			19.2						30.0	43.6	7.6	809
	12-14	6.9			17.3						30.0	45.8	7.8	818
	15-17	6.2			17.4						28.1	48.3	7.9	791
	18-20	6.3			19.0						26.6	48.0	7.8	662
	21-23	12.3			20.5						18.3	48.9	7.2	650
TOTALS		9.5			19.4						24.2	46.9	7.5	6104

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MAY  
2024

## 1

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## SKY COVER

JUN  
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	6.3			10.9						20.6	62.2	8.4	717
	03-05	3.9			12.4						24.2	59.6	8.5	752
	06-08	3.1			11.4						22.9	62.6	8.7	780
	09-11	2.5			12.9						24.8	59.7	8.6	785
	12-14	1.9			13.5						27.2	57.5	8.6	769
	15-17	2.7			14.0						23.6	59.6	8.5	622
	18-20	.5			10.9						22.3	66.4	9.0	422
	21-23	2.6			12.4						20.8	64.2	8.7	547
TOTALS		2.9			12.3						23.3	61.5	8.6	5394

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

70/120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81  
PERIOD

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	4.5			14.8						19.9	60.9	8.3	785
	03-05	2.7			14.6						21.2	61.5	8.5	821
	06-08	2.6			11.8						21.9	63.8	8.7	817
	09-11	1.5			13.5						24.0	61.0	8.7	820
	12-14	2.2			13.1						28.2	56.5	8.6	818
	15-17	2.0			13.4						30.3	54.3	8.6	694
	18-20	1.9			12.2						28.1	57.8	8.7	531
	21-23	2.8			14.3						24.3	58.6	8.5	635
TOTALS		2.5			13.5						24.7	59.3	8.6	5921

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

3

## SKY COVER

Aug  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	5.2			12.0						16.3	66.5	9.5	768
	03-05	2.5			10.8						72.3	64.5	9.8	800
	06-08	2.4			9.0						27.7	60.9	9.9	796
	09-11	1.4			11.4						27.2	60.0	9.8	806
	12-14	.7			11.6						28.1	59.6	8.8	765
	15-17	.3			10.6						30.1	59.0	9.9	631
	18-20	1.1			8.3						31.0	59.5	9.0	529
	21-23	3.3			11.2						23.0	62.5	9.7	600
TOTALS		2.1			10.6						25.7	61.6	8.8	5697

3

**I**

SEP  
MON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF DAYS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	02-02	6.4			15.7						16.0	62.0	3.1	771
	03-05	5.7			12.1						21.8	60.3	2.4	801
	06-08	1.9			9.5						32.9	55.7	2.8	803
	09-11	1.2			10.0						35.3	53.8	2.8	803
	12-14	.4			10.2						35.3	54.1	2.9	782
	15-17	.4			9.2						37.3	53.1	2.9	699
	18-20	.4			11.7						32.3	55.6	2.8	514
	21-23	3.2			13.9						21.7	56.2	2.1	594
TOTALS		2.5			12.2						29.0	56.4	2.6	5762

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81

OCT  
1954

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JCT	00-02	8.5			12.9						24.4	54.2	8.0	824
	03-05	8.3			15.0						23.0	53.4	7.9	836
	06-08	4.5			11.6						30.3	53.5	8.4	837
	09-11	4.2			10.5						38.2	47.1	8.5	837
	12-14	4.1			9.0						36.5	50.5	8.6	836
	15-17	2.8			9.9						34.4	52.9	8.7	781
	18-20	1.6			15.0						31.4	52.0	8.5	548
	21-23	5.5			16.0						24.3	54.2	8.1	670
TOTALS		4.9			12.5						30.3	52.3	8.3	6169

## SKY COVER

NDV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	13.4			18.3						17.6	57.6	7.2	796
	03-05	11.4			20.5						16.6	51.5	7.3	796
	06-08	9.1			21.1						22.3	47.5	7.4	802
	09-11	6.1			16.8						31.5	45.6	7.9	809
	12-14	7.2			14.0						30.6	48.3	8.0	810
	15-17	5.6			17.7						23.1	53.6	8.0	774
	18-20	6.2			17.4						19.5	56.9	8.0	517
	21-23	12.1			17.2						21.6	49.1	7.4	638
TOTALS		8.9			17.9						22.9	50.4	7.7	5942

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

702120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81

DEC 1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

USAFETAC  
 WEATHER SERVICE/HAC

# SKY COVER

73-61  
 CAFE HUMAN/OF AFV AP

73-61

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS	TOTAL OBSERVATIONS
		0	1	2	3	4	5	6	7	8	9		
JAN	ALL	17.4			10.3					5.1	44.5	7.7	544
FEB		17.7			10.3					6.8	35.2	6.2	527
MAR		17.0			10.2					24.5	37.1	6.9	597
APR		16.0			10.3					24.2	46.1	7.5	524
MAY		16.7			10.3					22.2	43.1	7.6	517
JUN		16.7			10.3					27.3	41.1	6.6	534
JUL		16.0			10.6					24.7	39.2	7.5	521
AUG		16.1			10.5					25.7	31.8	6.8	557
SEP		16.7			10.2					29.0	33.4	6.6	576
OCT		14.0			10.0					3.3	27.3	3.3	545
NOV		16.2			10.0					2.9	26.4	7.7	546
DEC		16.0			10.0					3.1	44.4	6.7	560
TOTALS		16.0			10.7					14.9	49.7	7.7	6274

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

JETRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC  
 7-120 CAPE ROMANZOF AFS AK

# DAILY TEMPERATURES

54-65, 69-81

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75					.3	.2	.5	.4					.1
70						2.5	6.7	1.6					.4
65							6.3	4.3					1.1
60					1.5	6.3	18.3	12.0	2.1	.1			1.2
55					3.7	17.0	35.1	33.6	6.0	.6			5.2
50					11.3	34.2	64.8	69.3	26.1	1.3			17.2
45					29.6	57.3	93.0	97.1	67.1	5.2	.2	.3	29.3
40	.9	.3	.3	.8	49.8	84.1	99.8	99.9	90.5	19.5	1.2	.7	37.9
35	3.3	1.7	2.1	4.4	73.3	96.8	100.0	100.0	98.0	43.1	17.2	4.8	48.4
30	12.4	6.5	9.4	18.7	91.4	99.8			100.0	78.6	41.2	20.8	63.8
25	32.4	24.3	30.2	46.7	100.0					94.2	60.8	35.1	72.7
20	46.6	32.9	43.6	60.9						99.0	77.1	48.1	79.0
15	56.2	42.1	52.9	71.8						99.6	88.7	59.6	84.1
10	61.7	51.6	63.3	83.6						99.9	94.7	69.4	88.3
5	69.1	56.9	73.2	93.2	100.0					100.0	99.1	80.0	92.1
0	75.0	69.1	82.2	97.9							99.5	89.9	95.1
-5	82.4	77.9	91.9	99.4							100.0	96.2	97.7
-10	92.7	87.3	95.2	100.0								98.8	99.3
-15	96.8	95.9	97.5									99.9	99.9
-20	99.9	99.3	99.5										100.0
-25	100.0	99.8	99.8										100.0
-30		100.0	100.0										100.0
MEAN	16.0	14.3	18.9	25.0	37.7	45.9	53.9	52.9	45.5	34.2	25.7	17.2	32.8
S.D.	10.372	15.391	13.646	10.967	8.223	7.712	6.775	5.577	5.507	6.479	4.754	12.703	17.252
TOTAL OBS	664	584	652	657	648	597	545	661	657	608	553	636	7337

CLIMATE CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/HAC

71100 CAPE ROMANOF AFB AK

STATION

STATION NAME

54-55, 59-61

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
7								.1					.0
8							.2	.3					.0
9							.5	1.2					.2
10							3.7	3.5	.2				.7
11					.3	1.0	13.3	17.7	3.2	.3			3.4
12	.4				2.2	13.0	51.8	66.8	23.5	.4			13.3
13	.6				9.6	41.4	91.0	95.3	57.7	4.1			25.0
14	1.6	.3	.6	2.1	31.5	78.5	99.7	99.6	85.5	16.6	2.0	.1	34.7
15	2.1	1.0	1.4	4.1	42.4	87.6	99.8	100.0	93.6	26.7	4.7	1.5	38.6
16	9.0	5.3	5.7	12.3	61.0	97.5	100.0		97.4	44.2	11.5	3.9	45.4
17	21.4	15.2	18.9	28.3	84.9	100.0			99.7	73.6	26.2	11.5	56.2
18	32.3	19.4	28.4	43.4	95.2				100.0	88.8	44.5	23.0	64.6
19	45.4	28.2	35.7	54.2	98.3					97.8	66.8	32.8	71.5
20	48.6	35.8	45.4	66.5	99.7					99.4	82.6	44.0	77.0
21	57.8	46.3	56.1	83.5	99.8					99.9	90.8	56.6	82.5
22	65.6	58.2	69.9	92.5	100.0					100.0	96.7	68.6	87.6
23	75.2	67.6	81.4	97.7							99.4	83.1	92.2
24	78.2	81.7	93.5	99.4							100.0	93.4	96.2
25	96.4	91.2	96.2	100.0								97.8	98.5
26	99.3	98.0	98.6									99.3	99.6
27	100.0	99.8	99.7									100.0	100.0
28		100.0	100.0										100.0
29													
30													
31													
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96													
97													
98													
99													
100													
MEAN	5.7	4.2	0.2	14.9	31.2	38.4	45.0	46.1	43.4	28.1	15.1	7.8	24.3
S.D.	15.37	15.01	11.42	11.34	6.82	5.10	4.61	4.49	5.31	6.57	9.21	11.27	18.34
TOTAL OBS	667	589	652	557	643	579	645	681	657	688	653	686	7537



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 7. 120 CAPE ROMANOF AFS AK

# DAILY TEMPERATURES

54-65, 69-81

STATION

STATION NAME

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65							1.2	1.3					.2
60					.7	.3	5.1	3.4					.8
55					.5	4.2	16.1	13.8	2.4	.3			5.1
50					2.8	14.2	42.3	47.4	13.3	.5			17.1
45	.3				9.9	36.9	81.2	88.8	44.7	1.5			72.0
40	1.2	.2	.5	1.1	31.7	69.4	98.4	99.3	79.7	10.9	.2	.1	32.5
35	4.2	2.2	2.9	7.5	55.1	92.5	100.0	100.0	95.9	31.7	6.0	2.0	41.5
30	16.7	10.7	14.6	25.4	81.6	99.5			99.2	51.0	23.7	9.2	53.4
25	33.5	21.1	28.6	45.1	93.4	100.0			100.0	85.2	42.5	22.9	64.4
20	43.8	35.2	37.4	58.8	98.9					97.2	66.7	32.9	72.2
15	53.1	36.9	49.5	68.8	99.8					99.0	82.1	46.1	75.2
10	60.7	49.9	60.6	83.6						99.9	97.2	58.7	83.6
5	67.3	59.1	73.2	93.6	100.0					100.0	96.4	71.0	88.6
0	75.6	67.4	82.7	98.2							99.2	81.2	92.1
-5	84.6	78.1	90.6	99.4							100.0	92.0	95.5
-10	94.9	89.3	95.7	100.0								97.2	98.2
-15	99.0	96.4	98.0									99.0	99.4
-20	100.0	99.7	99.7									100.0	99.9
-25		100.0	100.0										100.0
MEAN	13.6	7.3	13.7	21.1	35.7	42.9	49.2	49.7	43.7	31.4	22.3	12.6	29.8
S D	15.19785	10.413.7	41.5.408	7.294	6.104	5.392	4.880	5.202	6.517	8.755	12.685	17.579	
TOTAL OBS	667	589	652	657	644	599	645	681	560	588	563	886	7377







## PSYCHROMETRIC SUMMARY

73-81

JAN

PAGE 2 ~~3000-0203~~

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
11 (IN 71)

## PSYCHROMETRIC SUMMARY

73-81



PAGE 1 0300-0500

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

JAH

PAGE 7 0300-0500

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL DB. W.B. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
28/-29																				1
30/-31																				4
32/-33																				1
34/-35																				1
36/-37																				1
38/-39																				2
46/-47																				1
52/-51																				1
54/-55																				2
TOTAL	48.3	46.1	4.9	.3	.5													800	831	800







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

71-01

541

PAGE 1 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26-27	28-29	30	31	DB	WB	DU	E	W	W	W
44/ 43				.2																					2	2
42/ 41					.2																				2	2
40/ 39			.1																						1	1
38/ 37		.4	.4	.2																					8	8
36/ 35	.6	1.6	.1																						19	19
34/ 33	1.5	2.5	.5	.5																					40	40
32/ 31	4.4	6.4	.4																						91	91
30/ 29	3.6	5.3	.6																						77	77
28/ 27	2.7	4.1	.4																						98	98
26/ 25	2.2	3.6																							47	47
24/ 23	1.4	.9	.1																						19	19
22/ 21	2.1	3.1																							42	42
20/ 19	2.2	2.1																							35	35
18/ 17	1.0	2.1	.5																						29	29
16/ 15	.7	1.7	.1																						32	32
14/ 13	1.6	1.7																							27	27
12/ 11	1.1	1.1	.1																						19	19
10/ 9	2.3	.9																							26	26
8/ 7	1.0	.5																							12	12
6/ 5	2.3	1.2																							27	27
4/ 3	1.4	1.6																							24	24
2/ 1	.9	1.7																							21	21
0/ -1	1.5																								12	13
-2/ -3	2.3	.4																							22	22
-4/ -5	2.6	.1																							22	22
-6/ -7	1.0																								24	24
-8/ -9	2.3																								19	19
-10/-11	3.8																								31	31
-12/-13	1.5																								12	12
-14/-15	1.0																								8	9
-16/-17	.4																								3	7
-18/-19	1.0																								8	9
-20/-21	.1																								1	1
-22/-23																										1
Element (X)	Σ X																								No. Obs.	
Rel. Hum.																									Total	
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0 26 3 01 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A 130 206

CAPE ROMANZOF AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 83  
USAFETAC/DS-83/008 S81-AD-E850 374 F/G 4/2

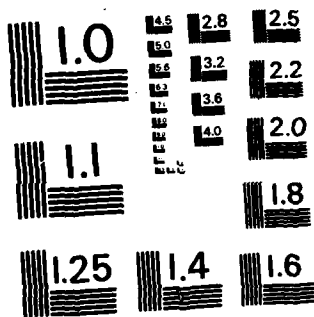
4/5

UNCLASSIFIED

F/G 4/2

NL

A full-page view of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines forming small squares. The grid covers most of the page, leaving margins at the top, bottom, and left edges. There are approximately 20 columns and 18 rows of squares visible.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

**73-81**

YEARS

**JAN**  
**MONTH**

PAGE 2 0900-1100

9417 94321

PAGE 1 1200-1400  
HOURS: 5 P.M.

**73-81**

YEARS

JAN  
MON

PAGE 1 1200-1400  
HOURS: 5 P.M.

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 73

## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

YEARS


MONTGOMERY

PAGE 2 ~~1200-1400~~  
HOURS (L-S-T)

[illegible]





## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

**73-B1**

MONTH

PAGE 2 ~~1500-1700~~  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-30/-31																																
-32/-33																																
-34/-35																																
-36/-37																																
-42/-43																																
TOTAL	46.9	46.9	5.7	.5															618	619	618	618										

## PSYCHROMETRIC SUMMARY

73-70-01

YEARS

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

**USAFETAC** **FORM 0-26-3 (OL A)** **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**  
JUN 71

## PSYCHROMETRIC SUMMARY

<u>702120</u> STATION	<u>CAPE ROMANZOF AFS AK</u> STATION NAME
--------------------------	---

73-78-81

YEARS

NUMBER OF PEOPLE IN THE LABOR FORCE

MONTH

PAGE 2 1830-2000  
HOURS L. S. T.1

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

74-81

YEARS

JAN  
MONTH

PAGE 1 2100-2300  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
38/ 37		.2		.2														2	2								
36/ 35	.6	2.4	.6															19	19	4	2						
34/ 33	.7	6.5	.2															40	40	28	4						
32/ 31	4.8	8.7	.7															77	77	66	63						
30/ 29	3.0	3.5	.2															36	36	58	42						
28/ 27	2.0	4.8	.4															39	39	37	33						
26/ 25	1.1	3.0																22	22	30	32						
24/ 23	.7	3.3	.4															24	24	29	22						
22/ 21	3.7	2.6	.4															36	36	34	23						
20/ 19	4.6	4.4																49	49	39	46						
18/ 17	.9	1.7																14	14	28	34						
16/ 15	.7	2.2																16	16	13	23						
14/ 13	.6	1.1																9	9	11	18						
12/ 11	2.6	1.1																20	20	22	20						
10/ 9	.6	.6																6	6	7	19						
8/ 7	.6	1.9																13	13	12	13						
6/ 5	2.2	.9																17	17	21	8						
4/ 3	2.0	.6																18	18	12	8						
2/ 1	2.0	1.5																19	19	18	26						
0/ -1	.6	.2																4	4	6	12						
-2/ -3	.9	.4																7	7	7	9						
-4/ -5	.6	.2																4	4	4	9						
-6/ -7	2.2	.2																13	13	13	6						
-8/ -9	3.5																	19	19	20	6						
-10/-11	2.2																	12	12	12	5						
-12/-13	.2																	1	1	1	8						
-14/-15	.4																	2	2	2	12						
-16/-17	.7																	4	5	4	12						
-18/-19	.4																	2	2	2	6						
-20/-21																					7						
-22/-23																					2						
-24/-25																					4						
-26/-27																					1						
-28/-29																					1						
Element (X)	$\Sigma X^2$		$\Sigma X$		$\Sigma$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature											Total					
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total				
Dry Bulb																											
Wet Bulb																											
Dew Point																											

## PSYCHROMETRIC SUMMARY

74-81

YEARS

**JAN**  
**MONTH**

HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

**73-81**

YEARS

JAN  
MONTH

PAGE 1

**HOURS (L. S. T.)**

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
-24/-25																																				64
-26/-27																																				24
-28/-29																																				26
-30/-31																																				13
-32/-33																																				15
-34/-35																																				12
-36/-37																																				10
-38/-39																																				3
-40/-41																																				6
-42/-43																																				1
-44/-45																																				3
-46/-47																																				5
-48/-49																																				1
-50/-51																																				4
-52/-53																																				3
-54/-55																																				1
-56/-57																																				
TOTAL	47.6	47.2	4.4	.6	.2																													5509	5517	5509

Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	36300742	440390	79.914.106	5509	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F		
Dry Bulb	2843540	94870	17.118.908	5517	180.8	662.1					744	
Wet Bulb	2632838	90156	16.414.496	5509	184.6	700.2					744	
Dew Point	2431033	65113	11.817.368	5509	186.1	728.1					744	

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

<u>7C2120</u> STATION	<u>CAPE ROMANZOF AFS AK</u> STATION NAME
--------------------------	---

FEB

PAGE 1 0000-0200  
HOURS S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

YEARS

25

PAGE 2 ~~0000-0200~~

[illegible]



## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

YEARS

— EEE

PAGE 2 ~~0300-0500~~

[illegible]

## PSYCHROMETRIC SUMMARY

**73-81**

YEARS

**FEA**  
MONTH

PAGE 1 0600-0800  
HOURS S. T. 1

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

YEARS

**FEA**  
**MONTH**

PAGE 2 ~~3600-0800~~  
HOURS 11:30 A.M. - 5:00 P.M.



## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

**73-81**

YEARS

**FEA**  
MONTH

PAGE 2 ~~0900-1100~~  
HOURS U.S.T.

[illegible]

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

**73-81**

FEB 1964

PAGE 1 1200-1400  
MO:RS S T

[illegible]



## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

73-81

FEB  
MONTH

PAGE 2 ~~1200-1400~~  
HOURS E T

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-81

FEB

YEARS

PAGE 1 1500-1700

MON. HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																		
38/ 37		.5	.2	.3														6	6																
36/ 35	.3	.8	.6	.3														13	13	5															
34/ 33	.6	2.7	.5															24	24	17	6														
32/ 31	2.7	2.9	.2	.6														40	40	39	31														
30/ 29	2.4	2.4	.8	.2														36	36	33	16														
28/ 27	1.9	1.7	.8	.2														29	29	30	34														
26/ 25	.8	3.0	.5															27	27	25	26														
24/ 23	1.1	2.2	.5															24	24	37	16														
22/ 21	1.0	.8	.5															14	14	21	23														
20/ 19	2.2	2.7	1.0															37	37	23	24														
18/ 17	1.1	2.2	.8															26	26	29	23														
16/ 15	.8	2.2	.5															22	22	22	24														
14/ 13	.8	2.4	.2															21	21	24	17														
12/ 11	1.1	1.9	.3															21	21	23	18														
10/ 9	1.0	3.8	.6															34	34	24	28														
8/ 7	1.1	3.0																26	26	33	20														
6/ 5	.5	1.7																14	14	24	11														
4/ 3	1.9	2.2																26	26	26	24														
2/ 1	2.1	2.5																29	29	26	39														
0/ -1	2.7	.3																19	19	25	25														
-2/ -3	2.7	.6																21	21	21	17														
-4/ -5	5.2	1.3																41	41	37	26														
-6/ -7	3.3	.2																22	23	27	24														
-8/ -9	2.7																	17	19	18	43														
-10/-11	1.7																	11	11	11	23														
-12/-13	1.0																	6	6	6	19														
-14/-15	1.4																	9	9	9	11														
-16/-17	1.4																	9	9	9	17														
-18/-19	.3																	2	2	2	18														
-20/-21	.2																	1	1	1	8														
-22/-23	.3																	2	3	2	5														
-24/-25																					6														
-26/-27																					4														
-28/-29																					2														
Element (X)	Σ X'			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature						Total													
Rel. Hum.																≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

**73-A1**

FEA

PAGE 2 ~~1500-1700~~

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

FEB  
MAY 1964

PAGE 2 1800-2000



## PSYCHROMETRIC SUMMARY

7C2120                      CAPE ROMANZOF AFS AK  
STATION                                      STATION NAME

74-81

FFB

PAGE 2 ~~2100-2300~~

[illegible]





## PSYCHROMETRIC SUMMARY

**73-A1**

FEB

PAGE 2 — ALL

[illegible]



## PSYCHROMETRIC SUMMARY

73-21

MAR 1968

PAGE 2      0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-26/-27	.1																		1	1	1	4													
-28/-29																						2													
-30/-31																						7													
-32/-33																						2													
-36/-37																						3													
TOTAL	43.5	48.5	6.8	1.1	.1														796	798	796														

**USAFETAC** FORM 0-26-3 (OL A); PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

73-A1

MAF

PAGE 2 ~~0300-0500~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
-28/-29																							3													
-30/-31																							6													
-32/-33																							4													
-34/-35																							1													
-36/-37																							2													
TOTAL	46.7	43.5	8.7	1.1																826	828		826													

## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

**73-61**

MAR

PAGE 1 0600-0800  
MAY 85 6 53

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
40/ 39			.2	.1																3	3														
38/ 37			.1	.2																3	3	2													
36/ 35		1.2	.8																	17	17	1													
34/ 33	.6	2.2	.5	.5	.2															33	33	23													
32/ 31	2.3	7.3	1.2																	89	89	55													
30/ 29	2.2	3.4	.8																	53	53	78													
28/ 27	2.2	3.1	.8																	51	51	56													
26/ 25	1.5	2.8	.5																	39	39	49													
24/ 23	.5	1.9	.6																	25	25	35													
22/ 21	1.2	1.6	.2																	25	25	24													
20/ 19	1.7	3.3	.7																	47	47	35													
18/ 17	1.5	1.7	.1																	27	27	40													
16/ 15	1.2	2.7	.5																	36	36	27													
14/ 13	1.2	1.1	.2																	21	21	36													
12/ 11	.8	1.0	.4																	18	18	16													
10/ 9	1.3	1.8																		26	26	23													
8/ 7	2.1	1.7																		31	31	34													
6/ 5	1.3	1.3																		22	22	27													
4/ 3	1.6	1.8																		28	28	26													
2/ 1	2.3	1.8																		34	35	32													
0/ -1	3.1	.2																		28	29	35													
-2/ -3	3.0	.6																		30	30	29													
-4/ -5	3.5	.5																		33	33	35													
-6/ -7	2.9	.2																		26	26	26													
-8/ -9	2.9																			24	24	25													
-10/-11	1.7																			14	14	14													
-12/-13	1.3																			11	11	11													
-14/-15	1.7																			14	14	14													
-16/-17	.8																			7	7	7													
-18/-19	.5																			4	4	4													
-20/-21	.2																			2	2	2													
-22/-23	.1																			1	1	1													
-24/-25	.6																			5	5	5													
-26/-27																																			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71









702120	CAPE ROMANZOF AFS AK
STATION	STATION NAME

73-81

MAR

PAGE 1 1233-1400

[illegible]

## PSYCHROMETRIC SUMMARY

73-81

MAR

PAGE 2 1200-1430

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
-24/-25	.5																	4	4	4	3																		
-26/-27																					4																		
-28/-29																					2																		
-30/-31																					7																		
-32/-33																					1																		
-36/-37																					1																		
TOTAL	37.5	50.8	9.6	1.2	.7	.1											819	821	819	819																			

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0^\circ F$	$+ 32^\circ F$	$+ 67^\circ F$	$+ 73^\circ F$	$+ 80^\circ F$	$+ 93^\circ F$	
Rel. Hum.	4964972	52620	76.584	714	819							
Dry Bulb	344361	13313	16.218	321	821	12.9	81.2					93
Wet Bulb	342959	12807	15.183	766	819	14.6	87.1					93
Dew Point	288810	8030	9.815	866	819	28.7	81.5					

USAFETAC FORM 0-26-3.OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(1.1.1.1.7)



## PSYCHROMETRIC SUMMARY

73-81

MAR

PAGE 2 1500-1700

[illegible]



## PSYCHROMETRIC SUMMARY

73-75-A1

MAR  
1971

PAGE 2 ~~1800-2000~~

[illegible]





## PSYCHROMETRIC SUMMARY

74-81

MAC

PAGE 2 ~~2100-2300~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL			TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

73-81

MAR

PAGE 1

ALL

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MON 14

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-	26-27	28-29	30-31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
-22/-23	.2																		10	10	10	27														
-24/-25	.4																		24	24	24	35														
-26/-27	.1																		6	6	6	29														
-28/-29																						28														
-30/-31																						41														
-32/-33																						15														
-34/-35																						5														
-36/-37																						10														
-38/-39																						4														
-40/-41																						4														
-42/-43																						1														
TOTAL	43.147.1	8.4	1.1	.3	.0														6026	6041		6026														
																			5026	5026																
										</																										

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-81

APR

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
40/ 39			.6	.6																			10	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
38/ 37		.2	1.5																				14	14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
36/ 35	.4	1.4	2.2	.1																			33	33	12	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
34/ 33	2.2	2.1	1.2																				45	45	56	17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
32/ 31	4.8	5.9	1.0	.1																			96	96	72	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
30/ 29	4.1	3.8	.7																				70	70	99	49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
28/ 27	4.1	2.5	.5	.1																			58	58	64	84																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
26/ 25	1.9	2.8	.6																				43	43	39	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
24/ 23	.7	3.7	.4																				39	39	42	33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
22/ 21	2.7	3.5	.6																				55	55	58	39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
20/ 19	3.1	4.2	.7																				65	65	52	49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
18/ 17	1.1	1.6	.4																				25	25	41	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
16/ 15	.6	2.5	.1																				26	26	28	48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
14/ 13	.9	3.3																					34	34	32	21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
12/ 11	1.1	1.6	.1																				23	23	30	33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
10/ 9	2.2	1.6																					31	31	36	33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
8/ 7	2.3	1.5																					31	31	30	38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
6/ 5	2.3	1.4																					30	30	29	27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
4/ 3	1.9	1.2																					25	25	26	35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
2/ 1	2.0	1.0																					24	24	31	43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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-2/ -3	1.0																						8	8	8	21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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-6/ -7	.1																						1	1	1	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
-8/ -9	.4																						3	3	3	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
-10/-11	.6																						5	5	5	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
-12/-13	.1																						1	1	1	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
-14/-15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81

YEARS

APR

PAGE 1 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
44/ 43				.4	.1																												4	4		
42/ 41				.1																													1	1		
40/ 39			.4	.6																													8	8		
38/ 37		1.0	.9	.2																													17	17	4	
36/ 35	.1	2.2	1.0																														27	27	19	1
34/ 33	2.1	2.7	1.0																														47	47	47	20
32/ 31	4.7	6.8	1.1																														102	102	77	64
30/ 29	4.2	3.6	.5																														67	67	92	58
28/ 27	1.9	3.8																															46	46	55	65
26/ 25	2.1	4.2	.4																														54	54	52	66
24/ 23	1.9	4.3	.1																														48	48	61	38
22/ 21	2.3	2.7	.6																														46	46	49	44
20/ 19	2.2	4.2	1.0																														60	60	29	57
18/ 17	.9	3.6	.4																														39	39	55	46
16/ 15	.2	3.1																															27	27	35	29
14/ 13	1.0	2.7	.1																														31	31	32	24
12/ 11	.9	2.2	.1																														26	26	25	33
10/ 9	2.1	1.6																															30	30	40	38
8/ 7	1.2	1.7																															24	24	26	31
6/ 5	2.0	1.1																															25	25	26	34
4/ 3	2.2	.9																															25	25	25	34
2/ 1	2.0	1.2																															26	26	28	35
0/ -1	1.0																																8	8	11	20
-2/ -3	.7																																6	6	6	19
-4/ -5	.9																																7	7	7	19
-6/ -7	.2																																2	2	2	14
-8/ -9	.4																																3	3	3	8
-10/ -11	.5																																4	4	4	1
-12/ -13																																				4
-14/ -15																																				1
-16/ -17																																				4
-18/ -19																																				3
TOTAL	37.7	53.3	7.5	1.4	.1																													810	810	810
Element (X)	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	5503012	66118	81.6	1.446	810		+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total																							
Dry Bulb	465543	17227	21.3	1.071	810		3.3	78.4																										90		
Wet Bulb	423298	16380	20.2	1.0667	810		3.7	82.2																										90		
Dew Point	332803	13247	16.4	1.983	810		10.3	87.7																										90		

## PSYCHROMETRIC SUMMARY

73-81

APR

PAGE 1 3900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
46/ 45					.2													2	2																	
44/ 43				.7	.1													7	7																	
42/ 41				.4														3	3																	
40/ 39			.6	.4														8	8																	
38/ 37		1.0	1.7	.5														26	26	10																
36/ 35	.1	2.5	1.4															32	32	25																
34/ 33	1.5	3.7	.7	.1														49	49	55	17															
32/ 31	5.8	7.8	1.2															120	120	90	83															
30/ 29	2.1	4.7	1.0															57	57	95	75															
28/ 27	2.0	4.3	.4															54	54	61	69															
26/ 25	1.7	5.4	.6	.4														66	66	56	56															
24/ 23	1.0	3.5	.1															37	37	59	36															
22/ 21	1.9	2.8	1.0															46	46	48	55															
20/ 19	2.0	3.6	1.0															53	53	41	49															
18/ 17	.4	3.5																31	31	38	50															
16/ 15	.6	4.0																37	37	39	27															
14/ 13	.2	2.7																24	24	25	19															
12/ 11	1.4	2.6																32	32	35	29															
10/ 9	1.5	2.3																31	31	38	46															
8/ 7	1.0	1.7																22	22	29	29															
6/ 5	1.4	.9																18	18	20	31															
4/ 3	1.4	.9																18	18	16	31															
2/ 1	1.2	.2																12	12	15	44															
0/ -1	1.0																	8	8	8	16															
-2/ -3	.5																	4	4	4	13															
-4/ -5	1.0																	8	8	8	14															
-6/ -7	.5																	4	4	4	9															
-8/ -9	.1																	1	1	1	5															
-10/-11																					3															
-12/-13																					1															
-14/-15																					3															
TOTAL	30.1	57.3	9.8	2.5	.4													810	810		810															
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ			Σ			Σ			Σ			Σ														
Rel. Hum.	5434354			65632			81.0			1.998			810			= 0 F			= 32 F			= 67 F			= 73 F			= 80 F			= 93 F			Total		
Dry Bulb	512899			18471			22.8			10.646			810			2.8			75.9															90		
Wet Bulb	460333			17467			21.6			10.170			810			2.8			80.0															90		
Dew Point	356620			14282			17.6			11.382			810			7.1			88.1															90		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81

APR

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26-27	28-29	30	31	32	33	DB	WB	Dry Bulb	Wet Bulb	Dew Point												
46/ 45				.1	.5																										5	5					
44/ 43				.4	.1																										4	4					
42/ 41				1.2																											10	10					
40/ 39		.1	1.2	.5																											15	15					
38/ 37		.1	1.9	.9																											23	23					
36/ 35	.5	3.0	2.2	.2																											48	48					
34/ 33	1.7	4.4	1.1																												59	59					
32/ 31	4.0	7.2	1.6																												123	123					
30/ 29	3.0	4.0	1.1																												65	65					
28/ 27	1.1	5.7	.2	.1																											58	58					
26/ 25	2.1	5.8	.1	.2																											67	67					
24/ 23	.7	4.3	.7																												47	47					
22/ 21	2.0	2.2	1.2																												44	44					
20/ 19	1.1	3.2	.6																												40	40					
18/ 17	.4	2.8	.4																												29	29					
16/ 15	.7	3.6	.4																												38	38					
14/ 13	1.5	2.5																													32	32					
12/ 11	.6	2.2																													23	23					
10/ 9	1.9	1.5																													27	27					
8/ 7	2.2	1.4																													29	29					
6/ 5	1.1	.6																													14	14					
4/ 3	.7	.2																													8	8					
2/ 1	.5	.2																													6	6					
0/ -1	.9																														7	7					
-2/ -3	1.0																														8	8					
-4/ -5	.1																														1	1					
-6/ -7																																					
-8/ -9																																					
TOTAL	27.85	55.11	2.8	3.7	.5																											810	810				
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ					
Rel. Hum.	53.7664		64876		80.11	1.740		810		810		810		810		810		810		810		810		810		810		810		810		810					
Dry Bulb	556256		19590		24.21	0.096		810		810		810		810		810		810		810		810		810		810		810		810		810					
Wet Bulb	494473		18471		22.8	9.516		810		810		810		810		810		810		810		810		810		810		810		810		810					
Dew Point	173542		15150		18.71	0.558		810		810		810		810		810		810		810		810		810		810		810		810		810					











## PSYCHROMETRIC SUMMARY

73-81

**APR**

PAGE 2

411

## PSYCHROMETRIC SUMMARY

73-81

MAY

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
62/ 61					.1													1	1															
67/ 59					.1													1	1															
58/ 57				.2														2	2															
56/ 55					.1	.1												2	2															
54/ 53			.4	.4	.2													8	8	2														
52/ 51				.2	.4													5	5	2														
57/ 49			.1	.2														3	3	3	1													
48/ 47			.4	.4														6	6	4	1													
45/ 45			2.4	1.5	.1													32	32	9	5													
44/ 43		1.4	3.0	2.6	.1													57	57	12	1													
42/ 41		3.6	4.4	1.6	.1													78	78	33	13													
40/ 39	.5	4.4	5.0	.6														84	84	76	17													
38/ 37	.5	4.7	2.6	.5														67	67	111	43													
36/ 35	1.0	3.0	2.0															48	48	88	79													
34/ 33	1.0	7.2	.1															67	67	68	74													
32/ 31	3.9	8.2	.2															99	99	93	158													
30/ 29		4.4	4.4	.4														73	73	100	118													
28/ 27	4.0	4.1	.1															66	66	72	81													
26/ 25	2.2	2.5																38	38	50	57													
24/ 23	1.0	1.7																22	22	32	55													
22/ 21	2.2	1.1																27	27	27	33													
20/ 19	.5	.6																9	9	10	39													
18/ 17																				3	12													
16/ 15	.4																	3	3	1	6													
14/ 13		.1																1	1		5													
12/ 11		.1																1	1	2														
10/ 9																					1													
8/ 7																					1													
6/ 5		.1																1	1															
4/ 3	.1																	1	1	2														
0/ -1																					2													
TOTAL	21.7	47.4	21.1	8.4	1.4	.1												802	802	802	802													
Element (X)	Σx'			Σx			Σ			Σ <sub>s</sub>			No.																					

## PSYCHROMETRIC SUMMARY

73-81

YEARS

**MAY**

PAGE 1 0300-0500

[illegible]





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-81

MAY

PAGE 1 2920-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb Wet Bulb Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																		
68/ 67						.5																											4	4	
62/ 61					.1	.1																											2	2	
60/ 59				.1	.2	.1																										4	4	2	
58/ 57					.1	.2																										3	3	2	
56/ 55				.1	.7	.4																										10	10		
54/ 53			.4		.2	.1	.1																									7	7	2	2
52/ 51		.2	.2	1.3	.4	.1	.2																									21	21	5	1
51/ 49		.1	.5	1.7	.2	.4																										24	24	8	4
48/ 47		.4	1.1	.8	.6																											24	24	12	4
46/ 45		1.6	1.6	2.5	.4																											50	50	28	5
44/ 43		1.8	4.1	2.8	.1																											73	73	39	7
42/ 41		3.3	5.3	.8	.2																											81	81	45	23
40/ 39	.4	4.1	2.8	.7																												66	66	115	50
38/ 37	.1	5.4	1.2	.4																												59	59	99	65
36/ 35	1.4	4.3	3.6																													78	78	70	92
34/ 33	1.8	5.5	.5																													65	65	91	101
32/ 31	3.1	7.5	.8																													96	96	90	136
30/ 29	3.1	2.9	.2																													52	52	87	95
28/ 27	1.8	2.9	.2																													41	42	50	79
26/ 25	1.2	2.0																														27	27	31	46
24/ 23	1.3	2.4																														31	31	33	46
22/ 21	1.1	.5																														13	13	20	38
20/ 19		.1																														1	1	2	26
18/ 17	.1																															1	1	2	11
16/ 15																																			5
8/ 7	.2	.1																														3	3	2	
6/ 5																																		1	
4/ 3																																			2
2/ 1																																			1
TOTAL	15.7	45.1	22.4	11.2	3.3	1.9	.4																										836	836	836
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.	5474707		66799		79.9		12.821		836		± 0 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F						93																		
Dry Bulb	1221224		31184		37.3		8.430		837								93																		
Wet Bulb	1052072		29096		34.8		6.871		836								93																		
Dew Point	850203		26117		31.2		6.809		836								93																		



7C2120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

## PSYCHROMETRIC SUMMARY

**MAY**

PAGE 1 1500-1700

USAFETAC FORM 0 26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

74-81

MAY  
1974

PAGE 1 ~~2100-2300~~  
M286 C V

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

M A Y

PAGE 1 ALL

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72212D CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81

MAY

PAGE 2

ALL









## PSYCHROMETRIC SUMMARY

73-81

111

PAGE 1 3933-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
62/ 61				.3	.3													4	4																
61/ 59				.4	.1	.6												9	9																
58/ 57		.1	.3	.4	.8	.5												16	16																
56/ 55		.5	1.3	.9	.9	.4												31	31	4															
54/ 53		.5	1.3	1.4	1.1													34	34	13	5														
52/ 51	.1	.8	1.4	1.3	.5		.1											33	33	23	3														
50/ 49		1.0	2.8	1.3	.8	.1												47	47	34	19														
48/ 47		2.9	2.5	1.4														54	54	46	20														
46/ 45	.1	7.7	2.0	.6														83	83	85	36														
44/ 43	.9	8.9	1.3	.1														88	88	102	66														
42/ 41	2.0	9.8	1.4	.3														106	106	113	115														
40/ 39	4.1	4.3	1.3															76	76	124	133														
38/ 37	5.2	5.7																86	86	85	133														
36/ 35	3.6	4.2	.4															64	64	70	82														
34/ 33	1.9	2.0	.1															32	32	53	72														
32/ 31	1.8	.4																17	17	23	56														
30/ 29	1.0																	8	8	11	22														
26/ 27																					6														
26/ 25																					2														
24/ 23																					1														
TOTAL	20.7	48.7	16.0	8.2	4.4	1.6	.1											788	788	788	788														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5610593	66925	84.9	12.665	788	≤ 0 F	- 32 F	- 67 F	- 73 F	- 80 F	- 93 F	
Dry Bulb	1515734	34154	43.3	6.738	788		2.9					90
Wet Bulb	1359599	32465	41.2	5.295	788		3.9					90
Dew Point	1203871	30557	38.8	4.905	788		9.9					

USAFETAC FORM 0 26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUL 71)



## PSYCHROMETRIC SUMMARY

73-81

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PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65						.2												1	1																
64/ 63					.2	.2												2	2																
62/ 61				.2	.2	.3												5	5																
60/ 59						.8												5	5																
58/ 57		.5	.2	.5	.3													9	9																
56/ 55			1.0	1.3	.6													18	18	7															
54/ 53		1.1	1.1	2.1	.8													32	32	5	3														
52/ 51		1.4	3.0	1.8	.6													43	43	22	6														
50/ 49		1.9	3.0	1.1	.2	.5												42	42	34	9														
48/ 47	.3	2.6	2.9															36	36	57	32														
46/ 45		6.7	1.1	.3														51	51	65	33														
44/ 43	2.1	9.5	2.1	.2														66	66	70	80														
42/ 41	1.4	8.7	1.9	.2														76	76	84	89														
40/ 39	5.4	7.1	1.3															86	86	101	106														
38/ 37	3.4	5.1	1.3															61	61	76	101														
36/ 35	1.9	3.4	.3															35	35	41	45														
34/ 33	1.1	2.9																25	25	40	50														
32/ 31	1.1	.6																11	11	20	45														
30/ 29																				2	18														
28/ 27																					6														
26/ 25																					1														
TOTAL	16.8	51.4	19.2	7.5	2.9	1.8	.3												524		624														
																		524		624															

Element (X)	$\Sigma x$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4551424	52780	84.60	1.825	624	≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1227993	27379	43.9	6.546	624		1.6					90
Wet Bulb	1101752	26012	41.7	5.288	624		3.2					90
Dew Point	976602	24486	39.2	5.030	624		10.1					90

1960

USAFETAC FORM 0-26-3 IOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

73-74, 76-81

YEARS

JUN

PAGE 1 1810-2000

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

74-81

YEARS

**JUN 1964**

PAGE 1 2120-2300

USAFETAC FORM 0-26.3 :OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

702120	CAPE ROMANZOF AFS AK
STATION	STATION NAME

73-81

JUN  
14 1964

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
68/ 67						.0												1	1																
66/ 65					.0	.1												4	4																
64/ 63					.1	.0	.1											8	8																
62/ 61			.0	.1	.1	.1	.1											21	21																
60/ 59				.1	.1	.4												27	27																
58/ 57		.1	.3	.4	.4	.2												77	77	4															
56/ 55		.2	.8	.7	.5	.1	.0											128	128	27	1														
54/ 53		.3	.9	1.2	.6	.1		.0										162	162	46	14														
52/ 51	.0	.7	1.7	1.0	.3	.0	.1											204	204	108	33														
50/ 49	.1	1.5	2.5	1.0	.4	.2												302	302	190	75														
48/ 47	.2	2.8	2.5	.7	.1													336	336	317	137														
46/ 45	.6	6.1	2.4	.4	.1													527	527	480	261														
44/ 43	1.4	8.0	1.7	.4														617	617	630	499														
42/ 41	2.8	9.3	1.5	.3														754	754	799	744														
40/ 39	5.0	6.7	1.2															700	700	906	919														
38/ 37	4.0	5.6	.7	.1														563	563	629	845														
36/ 35	3.8	4.1	.4	.0														444	444	524	616														
34/ 33	3.2	2.3	.1															305	305	431	528														
32/ 31	1.9	.8	.1															148	148	203	449														
30/ 29	.8	.2																53	53	81	158														
28/ 27	.4	.1																25	25	29	74														
26/ 25	.0																	1	1	3	43														
24/ 23																					9														
20/ 19																					2														
TOTAL	24.348	716.6	6.2	2.7	1.2	.2	.0											5407	5407	5407	220														
																		5407	5407	5407	220														





702120	CAPE ROMANZOF AFS AM
STATION	STATION NAME

73-81

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PAGE 1 1300-0500

USAFETAC FORM 0-26 3 OL 2 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71











## PSYCHROMETRIC SUMMARY

74-81

ALL

PAGE 1 2100-2343

USAFETAC FORM 0-26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
11-71



## PSYCHROMETRIC SUMMARY

73-81

PAGE 1

ALL

[illegible]

## PSYCHROMETRIC SUMMARY

YFARS

AUG

PAGE 1 1000-0200

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

762120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81

YEARS

AUG

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
72/ 71					.2													2		2																	
70/ 69					.4													3		3																	
68/ 67				.1		.1												2		2																	
66/ 65					.6	.1												6		6																	
64/ 63			.1	.4	.2													6		6		3															
62/ 61			.1	.5														5		5		3															
60/ 59		.6	.4	.4	.1													12		12		4															
58/ 57		1.2	1.1	.6														24		24		8															
56/ 55	.6	3.1	1.1	1.0														47		47		30															
54/ 53	.5	7.2	2.7	.9														91		91		46															
52/ 51	1.7	8.3	1.2	.2														93		93		92															
50/ 49	4.7	8.8	1.6	.5														120		120		135															
48/ 47	4.2	14.2	1.4															159		159		148															
46/ 45	4.5	9.2	.6	.1														116		116		159															
44/ 43	2.7	3.1	1.1	.2														58		58		78															
42/ 41	1.4	2.2	.7	.1														36		36		36															
40/ 39		.9	.4															10		10		22															
38/ 37		1.1	.1															10		10		17															
36/ 35		.4	.1															4		4		9															
34/ 33																						5															
32/ 31																																					
30/ 29																																					
TOTAL	19.7	60.4	12.9	5.1	1.6	.2																															

## PSYCHROMETRIC SUMMARY

73-81

AUG

PAGE 1 1610-2800

[illegible]

## PSYCHROMETRIC SUMMARY

702120 STATION CAPE ROMANZOF AFS AK STATION NAME

73-81

AUG

PAGE 1 3900-1140

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75						.1	.1											2	2																
74/ 73						.2												2	2																
72/ 71					.1	.1	.1											3	3																
70/ 69				.2	.1	.1												4	4																
68/ 67			.1		.5	.1												6	6																
66/ 65		.1		.2	.7	.2												11	11	2															
64/ 63		.1	.1	.4	.4	.2												10	10	9	1														
62/ 61		.2	.6	1.0	.2	.2												19	19	2	4														
60/ 59	.1	.6	2.5	1.1	.4	.4												41	41	14	6														
58/ 57	.1	1.2	2.9	1.0	.2		.1											45	45	27	9														
56/ 55	.4	3.6	3.5	1.2	.1													71	71	58	19														
54/ 53	1.1	7.1	3.3	.5	.2													99	99	74	65														
52/ 51	2.7	7.8	3.1	.4	.1													114	114	129	112														
50/ 49	2.0	10.2	4.1	.6														136	136	123	115														
48/ 47	2.1	9.9	1.6	.4	.1													114	114	132	130														
46/ 45	3.2	5.1	1.7	.5														85	85	128	146														
44/ 43	1.4	1.1	1.0	.1														29	29	68	94														
42/ 41	.4	.1	.9															11	11	19	38														
40/ 39		.4	.2															5	5	11	27														
38/ 37																				11	13														
36/ 35																					9														
34/ 33																					13														
32/ 31																					6														
TOTAL	13.5	47.6	25.7	7.7	3.3	1.9	.4											807	807	807	807														

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81

AUG

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
78/ 77			.1		.1													2	2																
76/ 75				.1	.1	.1												3	3		1														
74/ 73																																			
72/ 71				.3	.3	.3												6	6																
70/ 69			.3		.1	.1												4	4		2														
68/ 67			.4	.3	.7	.3	.1											13	13		1														
66/ 65				.8	.8	.4	.3											17	17		6	2													
64/ 63			.5	.8	.1	.1												12	12		3	7													
62/ 61		.1	.5	.8	.9	.1												19	19		10	1													
60/ 59	.4	.5	3.1	.9	.7													43	43		19	7													
58/ 57	.1	2.0	3.1	1.4	.4	.1												55	55		26	16													
56/ 55	.3	4.7	3.0	.8	.4	.3												72	72		55	20													
54/ 53	.8	6.9	4.2	.9	.3													100	100		97	70													
52/ 51	2.6	7.1	2.7	.3														97	97		113	145													
50/ 49	1.7	10.5	2.7	.4														117	117		110	106													
48/ 47	2.7	8.4	1.6	.7	.1													103	103		149	137													
46/ 45	2.6	4.4	2.0	.8														75	75		88	130													
44/ 43	.5	.8	.4	.3														15	15		49	71													
42/ 41	.3	.4	.4															8	8		17	28													
40/ 39		.5																4	4		11	30													
38/ 37																					6	13													
36/ 35																																			
34/ 33																																			
32/ 31																																			
TOTAL	12.0	46.3	25.1	9.4	5.0	1.7	.5																												

## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

73-81

AUG

PAGE 1 1520-1740

[illegible]

## PSYCHROMETRIC SUMMARY

702120	CAPE ROMANZOF AFS AK
STATION	STATION NAME

73-74, 77-81

**AUG**

PAGE 1 1800-2000

[illegible]







## PSYCHROMETRIC SUMMARY

73-81

SEP

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dr. Bulb	Wet Bulb	Dew Pt.														
58/ 57				.1	.1													2	2																
56/ 55			.1	.3														3	3																
54/ 53		.6	.5	.3			.3											13	13	1															
52/ 51	1.0	1.9	1.9	.5	.6	.1												48	48	17	11														
50/ 49	.9	2.9	1.0	.3	.1													40	40	29	15														
48/ 47	1.8	7.0	3.0	.1														92	92	63	41														
46/ 45	3.4	12.8	3.9	.1														156	156	114	85														
44/ 43	2.2	11.3	1.4															115	115	150	112														
42/ 41	2.5	9.3	.6															96	96	129	120														
40/ 39	1.7	5.2	1.4															64	64	82	100														
38/ 37		3.1	3.2															49	49	46	92														
36/ 35	.8	4.4	1.4															51	51	49	48														
34/ 33	.6	3.6	.6															38	38	54	38														
32/ 31	.1	.3																3	3	31	50														
30/ 29	.1																	1	1	6	32														
28/ 27																					40														
26/ 25																					6														
24/ 23																					1														
TOTAL	15.2	62.5	19.3	1.7	.9	.4													771		771														
																		771		771															

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5907587	671135	87.0	9.329	771	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1468897	33433	43.4	4.985	771				.5			90
Wet Bulb	1356372	32118	41.7	4.890	771				4.3			90
Dew Point	1237821	30587	39.7	5.627	771				12.7			



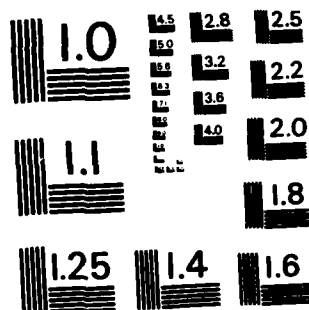
AD-A130 206

CAPE ROMANZOF AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83  
UNCLASSIFIED USAFETAC/DS-83/008 S81-AD-E850 374

F/G 4/2

55  
NL

END
DATE
FILED
8 83
DTIC



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



## PSYCHROMETRIC SUMMARY

702120	CAPE ROMANZOF AFS AK
STATION	STATION NAME

73-81

YEARS

**SEP**  
**MONTH**

PAGE 1 ~~0900-1100~~  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

**73-81**

YEARS

SEP  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**23-A1**

SEP

PAGE 1 ~~1800-2000~~

**USAFETAC** 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM JUN 71

## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

74-81

SEE

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

**73-81**

YEARS

SEP  
MONTH

PAGE 1

MOUSE



## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

**73-81**

OCI  
MONTH

PAGE 1 ~~0300-0500~~











## PSYCHROMETRIC SUMMARY

<u>7C2120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

73-76-81

OCI  
MONITOR

PAGE 1 ~~1800-2000~~

[illegible]

## PSYCHROMETRIC SUMMARY

**73-A1**

OCI

PAGE 1 ~~2100-2300~~

## PSYCHROMETRIC SUMMARY

**73-81**

OC 1

PAGE 1

Activity	Hours
Sleep	8
Eat	2
Work	9
Study	3
Play	2
<b>Total</b>	<b>24</b>

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.		TOTAL Wet Bulb Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																		
56/ 55					.0													1	1																
52/ 51				.0														1	1																
50/ 49	.0	.1	.1															10	10	1	1														
48/ 47	.1	.3	.0	.1														31	31	22	10														
46/ 45	.2	.3	.4	.2														63	63	32	25														
44/ 43	.2	1.5	1.1	.2														184	184	46	34														
42/ 41	.3	2.5	1.3	.0														258	258	180	66														
40/ 39	1.2	3.0	1.0	.1	.0													321	321	309	215														
38/ 37	1.8	5.6	.8	.0														511	511	423	255														
36/ 35	2.6	6.2	1.2	.1														620	621	592	472														
34/ 33	2.6	7.5	1.5	.1														725	726	645	555														
32/ 31	3.7	3.0	2.0	.1														1161	1161	853	795														
30/ 29	2.9	6.4	.8															625	628	951	642														
28/ 27	1.5	6.1	.5															500	500	613	605														
26/ 25	1.3	4.5	.5															386	386	497	577														
24/ 23	.8	1.9	.2															178	178	321	379														
22/ 21	.9	2.6	.0															220	220	221	421														
20/ 19	1.2	1.9	.0															199	199	213	352														
18/ 17	.3	.6		.0														57	57	105	249														
16/ 15	.2	.1	.0															20	20	46	182														
14/ 13	.3	.4	.0															43	43	25	109														
12/ 11	.1	.2	.0															15	15	31	73														
10/ 9		.3																17	17	12	36														
8/ 7	.0	.1																9	9	16	9														
6/ 5		.1																5	5	8	16														
4/ 3		.0																2	2	3	19														
2/ 1																					7														
0/ -1																					10														
-2/ -3																					5														
-4/ -5																					5														
-14/-15																					1														
TOTAL	22.3	5.2	1.5	.9	.0													6165	6170		6165														
Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	45340889	525441	85.2	9.512	6165	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	6467938	195586	31.7	6.591	6170		818.8					728																							
Wet Bulb	5946456	187340	30.4	6.415	6165		872.5					728																							
Dew Point	5068298	170532	27.7	7.508	6165	2.5	586.9					728																							



## PSYCHROMETRIC SUMMARY

73-81

~~NOV~~  
MONTH

PAGE 1 0300-0500  
HOURS (L. E. T.)





1865-66

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**73-01**

YEARS

NOV  
1961

PAGE 1 2900-1100  
HOURS 5 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
46/ 45		.1																1	1																
44/ 43		.1																1	1	1	1														
42/ 41																				1															
40/ 39	.2	.2																4	4	2	3														
38/ 37	.5	3.6	.4															36	36	10	1														
36/ 35	1.5	2.3	.2															33	33	44	21														
34/ 33	1.2	4.2	.9	.1														52	52	39	32														
32/ 31	3.5	3.2	1.4															65	65	53	71														
30/ 29	2.8	3.6	.5															56	56	67	31														
28/ 27	1.5	4.8	.2															53	53	55	39														
26/ 25	2.3	5.9	.4	.1														71	71	59	49														
24/ 23	2.1	4.7	.6															60	60	78	48														
22/ 21	3.8	3.8	.5															66	66	65	60														
20/ 19	2.8	5.6	.6															73	73	62	72														
18/ 17	1.7	3.8	.4															48	48	50	54														
16/ 15	1.7	2.6																35	35	54	51														
14/ 13	1.2	2.1																27	27	30	55														
12/ 11	1.2	2.0																24	24	22	35														
10/ 9	1.1	1.2																19	19	30	21														
8/ 7	1.0	2.6																29	29	18	32														
6/ 5	1.5	.7																18	18	32	23														
4/ 3	.7	.4																9	9	9	27														
2/ 1	.7	1.0																14	14	11	32														
0/ -1	.6	.2																7	7	9	16														
-2/ -3																				2	13														
-4/ -5	.7																	6	6	6	5														
-6/ -7	.1																	1	1	1	2														
-8/ -9																					4														
-10/-11																					2														
-12/-13																					7														
-14/-15																					3														
TOTAL	34.85	58.9	6.0	.2														810	810		810														
																		810		810															
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.	5672366	67188	82.9	11.076	810		= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																						
Dry Bulb	488350	18312	22.6	9.587	810		1.6	75.9																90											
Wet Bulb	450823	17527	21.6	9.406	810		2.0	79.2																90											
Dew Point	361696	19640	18.1	10.955	810		5.8	83.6																90											











## PSYCHROMETRIC SUMMARY

702120	CAPE ROMANZOF AFS AK
STATION	STATION NAME

73-81

NDV

PAGE 2

ALL

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AF5 AK

73-81

DEC

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
36/ 35	.4	.2																5	5	3	2														
34/ 33	1.7	1.1	.4															26	26	21	14														
32/ 31	3.6	3.0																53	54	36	38														
30/ 29	2.1	1.6	.1															31	31	43	26														
28/ 27	1.6	.9																20	20	28	22														
26/ 25	.7	2.6																27	27	15	25														
24/ 23	1.2	2.4	.1															30	30	37	15														
22/ 21	1.7	3.7	.5															42	42	34	22														
20/ 19	3.0	5.7	.2	.1														73	73	58	31														
18/ 17	1.1	2.6	.2	.1														33	33	54	37														
16/ 15	1.4	4.1	.1															45	45	35	44														
14/ 13	2.3	3.6																45	45	42	39														
12/ 11	1.2	2.1	.4															30	30	37	52														
10/ 9	1.2	2.1	.4															30	30	29	6														
8/ 7	1.6	2.1																30	30	36	2														
6/ 5	1.2	3.6																39	39	34	19														
4/ 3	3.7	3.0																54	54	55	19														
2/ 1	2.4	3.5																47	47	48	33														
0/ -1	2.6	.2																23	23	33	46														
-2/ -3	2.2	.4																21	21	20	31														
-4/ -5	3.0	1.1																33	33	29	25														
-6/ -7	3.2	.1																27	27	32	39														
-8/ -9	.9																	7	7	8	35														
-10/-11	1.5																	12	12	12	24														
-12/-13	1.2																	10	10	10	16														
-14/-15	.4																	3	3	3	21														
-16/-17	.5																	4	4	4	11														
-18/-19	.4																	3	3	3	17														
-20/-21																					10														
-22/-23																					6														
-24/-25																					7														
-26/-27																					2														
-28/-29																					4														
-30/-31																					2														
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>A</sub>			No. Obs.			Mean No. of Hours with Temperature						Total													
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

73-21

DEC

PAGE 2 ~~0000-0200~~

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

73-81

DFC

PAGE 2 ~~3300-0500~~

[illegible]

## PSYCHROMETRIC SUMMARY

702120      CAPE ROMANZOF AFS AK  
STATION      STATION NAME

23-81

YEARS

DEC

PAGE 1 ~~0600-0800~~

~~0600-0800~~  
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
36/ 35	.4	.9																10	10	3															
34/ 33	.7	1.5																18	18	15	12														
32/ 31	3.1	3.0			.1													50	50	39	32														
30/ 29	3.1	2.1	.2															44	44	51	24														
28/ 27	1.5	1.8																27	29	27	43														
26/ 25	1.4	3.1	.2															38	38	33	18														
24/ 23	1.6	1.5																25	25	34	22														
22/ 21	1.0	2.2																26	26	28	38														
20/ 19	2.3	3.8	.2															52	52	43	25														
18/ 17	1.7	3.1	.2															41	41	35	26														
16/ 15	2.1	3.7	.2															49	49	52	43														
14/ 13	2.2	3.7	.4															49	49	39	35														
12/ 11	2.0	2.7	.5															42	42	45	36														
10/ 9	1.6	3.1	.4															41	41	46	40														
8/ 7	1.0	2.5																28	28	33	31														
6/ 5	2.2	2.1																35	35	46	30														
4/ 3	2.6	2.3																37	37	36	24														
2/ 1	3.0	3.0																48	48	46	52														
0/ -1	4.6	1.4																48	48	46	37														
-2/ -3	1.1	1.2																19	19	25	34														
-4/ -5	2.2	1.1																27	27	25	35														
-6/ -7	2.3																	19	19	26	18														
-8/ -9	1.0																	8	8	8	24														
-10/-11	1.5																	12	12	12	24														
-12/-13	1.0																	8	8	8	22														
-14/-15	1.0																	8	8	8	24														
-16/-17	.1																	1	1	1	16														
-18/-19	.4																	3	3	3	13														
-20/-21																					6														
-22/-23																					6														
-24/-25																					1														
-28/-29																					5														
-32/-33																					2														
-34/-35																					5														
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

702120                      CAPE ROMANZOF AFS AK  
STATION                      STATION NAME

73-81

YEARS

DEC  
MONTH

PAGE 2 0600-0800

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-01

DEC

PAGE 1 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
38/ 37		.1																1	1																
36/ 35	.2	.7																8	8	4	1														
34/ 33	1.5	1.1	.2															23	23	21	10														
32/ 31	2.7	2.2		.1														49	49	31	38														
30/ 29	3.7	2.7		.1														53	53	62	25														
28/ 27	.9	2.2	.1	.1														27	27	27	43														
26/ 25	2.2	2.8	.2															43	43	39	26														
24/ 23	.5	1.3																15	15	29	30														
22/ 21	1.7	1.5	.1															27	27	30	29														
20/ 19	2.6	3.8	.4															55	55	29	29														
18/ 17	1.2	3.8	.2															43	43	51	27														
16/ 15	.9	3.7	.1															38	38	37	20														
14/ 13	2.2	3.3	.5															49	49	42	42														
12/ 11	1.2	3.7	.1															41	41	40	41														
10/ 9	1.1	3.9	.1															42	42	52	31														
8/ 7	1.7	1.5	.1															27	27	39	29														
6/ 5	2.8	2.1																40	40	43	32														
4/ 3	2.8	1.8																38	38	39	34														
2/ 1	2.3	2.8																42	42	33	53														
0/ -1	4.6	.7																44	44	51	34														
-2/ -3	1.5	.9																19	19	23	30														
-4/ -5	1.8	.9																22	22	20	40														
-6/ -7	3.5																	29	29	33	21														
-8/ -9	1.8																	15	15	15	30														
-10/-11	.9																	7	7	7	26														
-12/-13	1.2																	10	10	10	26														
-14/-15	.5																	4	4	4	23														
-16/-17	.5																	4	4	4	12														
-18/-19	.4																	3	3	3	12														
-20/-21																					5														
-22/-23																					5														
-24/-25																					2														
-26/-27																					2														
-28/-29																					1														
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ										
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**73-81**

**DEC**

PAGE 2 1900-1100

[illegible]

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
38/ 37		.2																1	1																
36/ 35	.3	.5																6	6	8															
34/ 33	1.4	1.3																21	21	17	13														
32/ 31	2.5	4.0																52	52	31	32														
30/ 29	2.4	2.8	.3															43	43	54	25														
28/ 27	2.6	2.4	.3	.3														44	44	45	29														
26/ 25	1.6	2.3	.1															32	32	30	54														
24/ 23	1.1	2.4																28	28	33	17														
22/ 21	.8	1.3	.3															18	18	27	20														
20/ 19	1.8	3.3	.9															47	47	25	31														
18/ 17	2.0	1.9	.4	.1														35	35	38	24														
16/ 15	2.5	4.7																57	57	55	32														
14/ 13	.9	2.0	.4															26	26	35	32														
12/ 11	1.6	3.7	.6															47	47	32	29														
10/ 9	1.3	2.5	.1															31	31	44	40														
8/ 7	2.3	4.7																55	55	47	31														
6/ 5	1.9	1.8																29	29	48	29														
4/ 3	2.8	2.0																38	38	41	31														
2/ 1	1.6	2.6																34	34	28	46														
0/ -1	3.7	.9																36	36	39	33														
-2/ -3	1.8	1.0																22	22	25	33														
-4/ -5	2.3	1.2																26	26	24	40														
-6/ -7	4.4	.3																37	37	43	28														
-8/ -9	1.0																	8	8	8	37														
-10/ -11	.9																	7	7	7	23														
-12/ -13	.6																	5	5	5	12														
-14/ -15	.5																	4	4	4	17														
-16/ -17																					13														
-18/ -19	.4																	3	3	3	12														
-20/ -21	.3																	2	2	2	10														
-22/ -23																					6														
-24/ -25																					3														
-26/ -27																					2														
-28/ -29																																			

## PSYCHROMETRIC SUMMARY

**73-81**

DEC

PAGE 7 1200-1400  
HQ 485 5

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81  
YEARS

DEC  
MONTH

PAGE 1 1500-1700  
LOCAL TIME

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb																
36/ 35			.8																5	5																
34/ 33	1.5	.5																	13	13	18	6														
32/ 31	3.2	4.1																	48	48	26	33														
30/ 29	2.5	3.2																	37	37	44	25														
28/ 27	1.5	2.5																	26	26	31	27														
26/ 25	2.2	3.2	.2																36	36	26	25														
24/ 23	.6	1.8	.5																19	19	28	21														
22/ 21	.8	2.0	.6																22	22	21	18														
20/ 19	2.6	4.1	.6																47	47	35	22														
18/ 17	1.2	3.8	.5																36	36	40	25														
16/ 15	1.1	2.9	.5																29	29	34	31														
14/ 13	.8	2.8	.9																29	29	23	29														
12/ 11	1.8	1.7	.6																27	27	31	20														
10/ 9	.9	4.6	.3																38	38	24	34														
8/ 7	1.5	3.5	.2																34	34	53	24														
6/ 5	2.2	2.6																	30	30	35	20														
4/ 3	2.8	3.2																	39	39	36	19														
2/ 1	1.2	2.9																	27	27	28	39														
0/ -1	4.3	.5																	29	29	35	36														
-2/ -3	2.5	1.2																	24	24	23	26														
-4/ -5	1.5	.5																	13	13	15	32														
-6/ -7	4.1																		27	27	29	33														
-8/ -9	1.4																		9	9	9	30														
-10/-11	.9																		6	6	6	18														
-12/-13	.2																		1	1	1	6														
-14/-15																						15														
-16/-17																						13														
-18/-19																						14														
-20/-21																						3														
-22/-23																						3														
-28/-29																						1														
-32/-33																						2														
-34/-35																						1														
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature						Total														
Rel. Hum.																$\leq 0 F$			$\leq 32 F$			$\leq 67 F$			$\leq 73 F$			$\leq 80 F$			$\leq 93 F$					
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

## PSYCHROMETRIC SUMMARY

73-81

DEC 1964

PAGE 2 1500-1700

[illegible]

## PSYCHROMETRIC SUMMARY

73-74, 77-81

DEC

PAGE 1 1800-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
36/ 35			.2															1	1	1																	
34/ 33	2.5	.2																13	13	13	13																
32/ 31	4.0	5.9																48	48	22	21																
30/ 29	2.5	2.8																25	25	37	19																
28/ 27	1.7	1.1																13	13	24	26																
26/ 25	2.5	3.8																30	30	22	21																
24/ 23	1.1	1.1	.2															11	11	20	9																
22/ 21	1.3	1.7	.4															16	16	17	20																
20/ 19	2.8	3.6	.6															33	33	19	21																
18/ 17	.4	5.3	.6															30	30	24	15																
16/ 15	1.3	5.5	.4															34	34	38	15																
14/ 13	1.3	2.5	.8															21	21	23	14																
12/ 11	1.9	2.1	.6															22	22	23	31																
10/ 9	.2	4.0																20	20	22	22																
8/ 7	.4	4.9																25	25	22	24																
6/ 5		3.2																15	15	32	4																
4/ 3	.2	2.5																13	13	8	14																
2/ 1	1.7	3.6																25	25	25	31																
0/ -1	2.5	1.1																17	17	17	10																
-2/ -3	2.8	.8																17	17	22	26																
-4/ -5	2.3																	11	11	11	20																
-6/ -7	3.2																	15	15	15	17																
-8/ -9	2.1																	10	17	10	23																
-10/-11	1.1																	5	5	5	20																
-12/-13	.2																	1	1	1	5																
-14/-15																					11																
-16/-17																					8																
-18/-19																					5																
-20/-21																					3																
-26/-27																					2																
-28/-29																					1																
-30/-31																					1																
TOTAL	40.1	55.8	4.0															471	471	471	471																

Element (X)	Σ X <sup>1</sup>	Σ X	Σ X <sup>2</sup>	Σ X <sup>3</sup>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2934880	36550	77.6	14.4	482	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	169861	6839	14.5	2.2	52	15.0	90.2					93
Wet Bulb	158231	6859	13.7	2.1	51	16.0	90.2					93
Dew Point	140407	4717	8.6	1.5	404	10.4	91.0					

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-81

DEC

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																	
36/ 35	.2	.3																														3	3	1					
34/ 33	2.4	1.1																														22	22	18	13				
32/ 31	3.6	3.3	.2																													45	45	30	32				
30/ 29	2.1	1.7																														24	24	19	17				
28/ 27	1.3	2.2																														22	22	20	24				
26/ 25	2.9	3.5	.2																													41	41	33	22				
24/ 23	.8	1.1	.2																													13	13	24	23				
22/ 21	2.1	2.4	.8																													33	33	31	22				
20/ 19	2.4	5.5	.5																													53	53	30	27				
18/ 17	1.1	2.2	.5																													24	24	45	24				
16/ 15	2.5	5.7	.2																													53	53	32	30				
14/ 13	1.4	2.5	.2																													26	26	43	29				
12/ 11	2.2	2.1	.6																													31	31	28	37				
10/ 9	.3	3.2	.2																													23	23	22	33				
8/ 7	1.0	3.5																														28	28	28	25				
6/ 5	1.0	1.7																														17	17	27	11				
4/ 3	1.0	3.2																														26	26	28	25				
2/ 1	1.4	3.8																														33	33	29	24				
0/ -1	2.9	1.0																														24	24	27	13				
-2/ -3	2.7	.5																														20	20	24	23				
-4/ -5	2.1	1.0																														19	19	16	37				
-6/ -7	3.6																															23	23	28	25				
-8/ -9	2.1																															13	13	13	28				
-10/ -11	.8																															5	5	5	23				
-12/ -13	.8																															5	5	5	8				
-14/ -15	.5																															3	3	3	20				
-16/ -17	.2																															1	1	1	8				
-18/ -19																																			14				
-20/ -21	.2																															1	1	1	3				
-22/ -23																																			4				
-24/ -25																																			1				
-26/ -27																																			2				
-28/ -29																																			2				
-30/ -31																																			1				
Element (X)	$\Sigma x'$			$\Sigma x$			$\bar{x}$			$s_x$			No. Obs.			Mean No. of Hours with Temperature																							
Rel. Hum.																$\leq 0$ F						$+ 32$ F			$+ 67$ F			$+ 73$ F			$+ 80$ F			$+ 93$ F			Total		
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

702120                      CAPE ROMANZOF AFS AK  
STATION                                      STATION NAME

73-81

DEC

PAGE 2 2100-2300

[illegible]

## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

73-81

DEC 1964

PAGE 1

**ALL**  
HOURS U.S.T.

[illegible]



## PSYCHROMETRIC SUMMARY

702120	CAPE ROMANZOF AFS AK
STATION	STATION NAME

73-81

DEC

PAGE 2

[illegible]

## PSYCHROMETRIC SUMMARY

<u>702120</u>	<u>CAPE ROMANZOF AFS AK</u>
STATION	STATION NAME

73-81

ALL

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
78/ 77			.0		.0	.0												5	5																
76/ 75			.0	.0	.0	.0	.0											10	10	1															
74/ 73				.0		.0		.0										5	5		1														
72/ 71			.0	.0	.0	.0	.0	.0	.0									33	33	1	1														
70/ 69			.0	.0	.0	.0	.0	.0	.0									44	44	7															
68/ 67			.0	.0	.0	.0	.0	.0	.0	.0								77	77	8	1														
66/ 65		.0	.0	.0	.1	.0	.0	.0	.0									107	108	16	10														
64/ 63		.0	.0	.1	.1	.0	.0	.0	.0									169	169	37	14														
62/ 61	.0	.0	.1	.1	.1	.1	.0	.0	.0									265	265	57	25														
60/ 59	.0	.1	.2	.2	.1	.1	.0	.0	.0	.0								417	418	133	47														
58/ 57	.0	.2	.4	.2	.1	.0	.0	.0										672	672	283	112														
56/ 55	.1	.5	.5	.3	.1	.0	.0	.0	.0									1259	1259	533	233														
54/ 53	.1	.9	.8	.3	.1	.0	.0	.0	.0									1557	1558	1015	562														
52/ 51	.2	1.3	.8	.2	.1	.0	.0	.0										1866	1866	1538	1714														
50/ 49	.4	2.2	1.0	.2	.1	.0	.0											2745	2745	2257	1698														
48/ 47	.6	2.7	.9	.2	.1	.0												3152	3153	3157	2538														
46/ 45	.9	2.9	.9	.3	.1	.0												3548	3548	3572	3119														
44/ 43	.7	2.6	.9	.3	.0													3183	3183	3229	3137														
42/ 41	.6	2.1	1.0	.2	.0													2704	2704	2945	3060														
40/ 39	.7	1.7	.9	.1	.0	.0												2407	2408	2801	2779														
38/ 37	.7	2.1	.7	.1	.0													2560	2560	2624	2389														
36/ 35	.9	2.4	.8	.0	.0													2936	2937	2905	2577														
34/ 33	1.3	3.0	.6	.0	.0													3410	3411	3456	2970														
32/ 31	2.4	4.8	.6	.1	.0													5534	5536	4535	5016														
30/ 29	2.0	2.5	.4	.0														3392	3395	4802	3739														
28/ 27	1.4	2.5	.2	.0														2904	2907	3232	3552														
26/ 25	1.1	2.5	.2	.0														2668	2669	2743	3116														
24/ 23	.7	1.6	.2	.0														1711	1711	2505	1998														
22/ 21	1.2	1.5	.2	.0														1969	1969	2079	2311														
20/ 19	1.3	2.0	.2	.0														2475	2475	1973	2673														
18/ 17	.6	1.3	.1	.0														1444	1445	1761	1909														
16/ 15	.6	1.4	.1															1475	1475	1529	1724														
14/ 13	.6	1.1	.1															1263	1263	1283	1424														
12/ 11	.7	1.0	.1															1241	1241	1321	1372														
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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# PSYCHROMETRIC SUMMARY

702120 CAPE ROMANZOF AFS AK

73-81

ALL

PAGE 2

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
10/ 9	.7	1.0	.1															1252	1253	1371	1295														
8/ 7	.6	1.1	.0															1195	1195	1277	1175														
6/ 5	.7	.7	.0															1002	1004	1269	957														
4/ 3	.9	.8																1187	1189	1181	1073														
2/ 1	.8	.9																1123	1124	1067	1562														
0/ -1	1.0	.2																832	840	983	1054														
-2/ -3	.9	.2																796	800	848	948														
-4/ -5	.9	.2																757	759	733	947														
-6/ -7	1.0	.1																718	735	775	840														
-8/ -9	.8																	563	573	590	877														
-10/-11	.7																	479	479	479	743														
-12/-13	.4																	271	271	271	535														
-14/-15	.3																	200	202	200	635														
-16/-17	.2																	141	143	141	458														
-18/-19	.2																	120	120	120	415														
-20/-21	.1																	35	38	35	262														
-22/-23	.0																	30	32	30	204														
-24/-25	.0																	32	33	32	193														
-26/-27	.0																	6	6	6	123														
-28/-29																					101														
-30/-31																					81														
-32/-33																					47														
-34/-35																					29														
-36/-37																					24														
-38/-39																					10														
-40/-41																					10														
-42/-43																					5														
-44/-47																					3														
-48/-49																					9														
-50/-51																					1														
-52/-53																					4														
-54/-55																					3														
-58/-59																					2														
Element (X)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																$\pm 0$ F $\pm 32$ F $\pm 67$ F $\pm 73$ F $\pm 80$ F $\pm 93$ F   Total																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

**ALL**  
**MONTH**

ALL

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702120 CAPE ROMANZOF AFS AK

73-81

STATION		STATION NAME												YEARS
HRS.	EST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10-02	MEAN	16.6	10.1	14.5	21.4	34.7	40.5	47.9	49.7	43.4	31.3	22.5	12.8	26.8
	S.D.	15.129	15.541	15.212	11.358	7.617	5.882	5.329	5.327	4.985	6.552	9.685	12.844	17.076
	TOTAL OBS.	768	705	798	773	602	717	785	773	771	823	809	674	9328
3-35	MEAN	16.2	10.4	14.0	21.0	34.2	40.6	47.6	49.3	43.1	31.0	22.2	12.8	28.6
	S.D.	15.330	15.305	15.256	11.111	7.764	5.904	5.034	5.297	4.893	6.578	9.657	12.773	17.053
	TOTAL OBS.	801	730	828	810	836	753	821	804	801	837	810	810	9641
16-08	MEAN	16.2	10.3	13.9	21.3	35.5	41.7	48.8	50.1	43.5	31.1	22.2	12.9	29.0
	S.D.	15.231	15.357	15.278	11.071	8.157	6.376	5.478	5.243	5.037	6.593	9.696	12.553	17.406
	TOTAL OBS.	837	740	829	810	837	782	822	804	802	837	810	815	9695
09-11	MEAN	16.3	10.7	15.1	22.8	37.3	43.3	50.3	51.8	44.8	32.0	22.6	13.1	30.1
	S.D.	15.179	15.309	14.914	10.646	8.430	6.708	5.928	5.706	5.317	6.608	9.587	12.826	17.793
	TOTAL OBS.	811	744	831	810	837	788	821	807	803	837	810	818	9717
12-14	MEAN	16.7	11.8	16.2	24.2	38.3	44.3	51.5	52.7	45.8	32.7	23.2	13.2	30.9
	S.D.	15.027	15.111	14.321	10.096	8.652	6.675	6.159	6.176	5.526	6.725	9.616	12.716	17.789
	TOTAL OBS.	793	728	821	810	836	773	817	765	782	836	810	794	9565
15-17	MEAN	17.9	12.3	16.4	24.2	38.3	43.9	51.3	52.3	45.6	32.0	22.9	13.7	30.6
	S.D.	14.866	14.781	14.110	9.929	8.407	6.546	5.922	6.314	5.399	6.831	9.791	12.153	17.215
	TOTAL OBS.	619	633	759	794	774	624	696	632	699	781	775	651	8437
18-20	MEAN	21.2	13.1	17.4	23.5	37.7	43.3	49.9	51.1	44.3	32.3	24.5	14.5	31.5
	S.D.	12.637	14.213	13.464	10.840	7.602	5.753	5.607	5.811	5.104	6.076	8.822	12.252	16.076
	TOTAL OBS.	377	396	550	660	600	622	532	529	514	548	517	471	6116
21-23	MEAN	18.7	11.5	15.9	22.6	35.9	41.7	48.8	50.3	43.3	31.5	23.5	13.7	30.0
	S.D.	13.807	15.062	14.654	11.111	7.178	5.759	5.200	5.487	5.059	6.391	9.312	12.535	16.577
	TOTAL OBS.	541	517	625	650	665	548	635	601	594	671	643	631	7321
ALL HOURS	MEAN	17.1	11.1	15.3	22.6	36.4	42.4	49.5	50.9	44.2	31.7	22.9	13.2	29.9
	S.D.	14.908	15.169	14.756	10.796	8.163	6.439	5.774	5.787	5.267	6.591	9.580	12.581	17.220
	TOTAL OBS.	5517	5193	6041	6117	6187	5407	5929	5715	5766	6170	5984	5794	69820

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702120 CAPE ROMANZOF AFS AK

73-81

HR		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10-32	MEAN	15.8	9.6	13.6	20.3	32.7	38.9	45.8	47.9	41.7	30.1	21.6	12.1	27.5
	S.D.	14.739	15.364	14.693	10.639	6.377	4.921	4.352	4.670	4.890	6.457	9.540	12.445	16.437
	TOTAL OBS	767	700	796	773	802	717	785	772	771	823	809	803	9318
13-35	MEAN	15.4	9.9	13.2	20.0	32.4	39.0	45.7	47.6	41.5	29.9	21.3	12.1	27.4
	S.D.	14.865	14.788	14.736	10.703	6.484	4.984	4.166	4.693	4.842	6.450	9.480	12.530	16.448
	TOTAL OBS	800	724	826	810	835	753	821	804	801	837	810	810	9631
16-38	MEAN	15.5	9.8	13.0	20.2	33.4	39.9	46.6	48.1	41.7	29.8	21.4	12.2	27.7
	S.D.	14.783	14.935	14.742	10.667	6.686	5.234	4.192	4.640	4.869	6.435	9.499	12.381	16.678
	TOTAL OBS	806	735	827	810	836	782	821	804	802	837	810	813	9683
19-11	MEAN	15.6	10.1	14.1	21.6	34.8	41.2	47.7	49.3	42.7	30.5	21.6	12.3	28.6
	S.D.	14.767	14.840	14.354	10.170	6.871	5.295	4.436	4.729	4.957	6.408	9.406	12.623	16.898
	TOTAL OBS	810	740	830	810	836	788	821	807	803	837	810	818	9710
12-14	MEAN	15.9	11.0	15.1	22.8	35.6	41.9	48.6	50.1	43.4	31.2	22.2	12.5	29.2
	S.D.	14.619	14.594	13.766	9.516	7.162	5.363	4.664	5.081	4.933	6.443	9.393	12.526	16.809
	TOTAL OBS	791	725	819	810	836	773	817	765	782	836	810	794	9558
15-17	MEAN	17.2	11.5	15.4	22.9	35.7	41.7	48.4	49.8	43.3	30.7	21.9	12.9	29.2
	S.D.	14.476	14.210	13.556	9.363	6.971	5.288	4.599	5.335	4.981	6.571	9.635	12.104	16.309
	TOTAL OBS	618	629	755	794	774	624	696	631	699	779	775	651	8425
18-20	MEAN	20.3	12.3	16.5	22.3	35.3	41.5	47.5	49.0	42.4	30.8	23.5	13.7	30.0
	S.D.	12.388	13.708	13.074	10.327	6.323	4.738	4.477	5.343	4.976	5.992	8.860	12.174	15.388
	TOTAL OBS	377	390	549	660	600	422	531	529	514	546	517	471	6106
11-23	MEAN	18.0	10.8	15.1	21.5	33.9	40.0	46.7	48.5	41.6	30.3	22.5	13.0	26.7
	S.D.	13.412	14.629	14.151	10.621	6.029	4.767	4.388	5.016	5.027	6.299	9.240	12.420	15.905
	TOTAL OBS	540	514	624	650	665	548	635	601	594	670	643	631	7315
ALL HOURS	MEAN	16.4	10.5	14.4	21.4	34.2	40.5	47.1	48.8	42.3	30.4	21.9	12.5	28.5
	S.D.	14.496	14.677	14.231	10.307	6.759	5.231	4.528	4.987	4.982	6.415	9.427	12.419	16.450
	TOTAL OBS	5509	5157	6026	6117	6184	5407	5927	5713	5766	6165	5984	5791	69746



USAFETAC FORM 0895 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7 2123 CAPE ROMANZOF AFS AK

73-81

YEARS

HR	ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	11.3	4.1	8.6	16.5	29.6	36.8	43.9	46.4	39.7	27.4	18.1	7.0	24.4
	S.D.	17.366	17.186	16.688	11.863	6.300	4.892	4.306	4.874	5.627	7.725	11.229	15.279	16.359
	TOTAL OBS	767	700	796	773	802	717	785	772	771	823	809	873	9318
3-05	MEAN	10.7	4.4	8.0	16.1	29.4	37.1	43.9	46.1	39.6	27.3	18.0	6.9	24.1
	S.D.	17.643	16.871	16.920	12.020	6.124	4.904	4.230	4.913	5.630	7.599	10.879	15.416	16.454
	TOTAL OBS	800	724	826	810	835	753	821	804	801	837	810	810	9631
6-08	MEAN	10.7	4.5	7.8	16.4	30.0	37.8	44.7	46.4	39.6	27.2	18.0	7.1	24.3
	S.D.	17.814	17.063	17.030	11.983	6.208	4.952	4.133	5.046	5.631	7.552	10.844	15.262	16.615
	TOTAL OBS	806	735	827	810	836	782	821	804	802	837	810	813	9683
9-11	MEAN	10.9	4.7	8.8	17.6	31.2	38.8	45.4	47.3	40.3	27.7	18.1	7.2	24.9
	S.D.	17.753	17.042	16.536	11.382	6.409	4.905	4.325	4.984	5.628	7.452	10.955	15.506	16.715
	TOTAL OBS	810	740	830	810	836	788	821	807	803	837	810	816	9710
12-14	MEAN	11.3	5.5	9.8	18.7	31.9	39.2	46.0	47.9	40.7	28.2	18.6	7.2	25.5
	S.D.	17.569	16.671	15.866	10.558	6.864	5.304	4.633	5.247	5.577	7.382	10.839	15.340	16.512
	TOTAL OBS	791	725	819	810	836	773	817	765	782	936	810	754	9558
15-17	MEAN	12.7	6.1	10.5	19.1	32.1	39.2	45.9	47.8	40.9	27.9	18.4	7.7	25.6
	S.D.	17.478	15.985	15.454	10.251	6.611	5.330	4.516	5.585	5.687	7.502	11.217	14.730	17.939
	TOTAL OBS	616	629	755	794	774	624	696	631	699	779	775	651	8425
18-20	MEAN	16.2	6.6	11.7	18.6	31.9	39.4	45.3	47.3	40.2	28.2	20.1	8.6	26.6
	S.D.	15.492	16.047	15.469	11.413	5.927	4.669	4.429	5.721	5.733	7.081	10.834	15.074	17.201
	TOTAL OBS	377	390	549	660	600	422	531	529	514	546	517	471	6476
21-23	MEAN	14.0	5.3	10.4	17.7	30.9	38.1	44.8	47.0	39.7	27.6	18.9	7.9	25.4
	S.D.	15.834	16.731	16.148	11.799	5.720	4.635	4.484	5.298	5.720	7.567	11.070	15.310	17.764
	TOTAL OBS	540	514	624	650	665	548	635	601	594	670	643	631	7315
ALL HOURS	MEAN	11.8	5.0	9.3	17.6	30.8	38.2	45.0	47.0	40.1	27.7	18.4	7.4	25.3
	S.D.	17.368	16.764	16.360	11.462	6.347	4.980	4.443	5.213	5.666	7.505	10.997	15.250	16.295
	TOTAL OBS	5539	5157	6026	6117	6184	5407	5927	5713	5766	6165	5984	5791	69746

## RELATIVE HUMIDITY

JAN  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-12	100.0	99.6	99.5	98.7	96.6	90.9	79.4	55.8	24.6	79.9	767
	13-05	100.0	99.6	99.5	98.3	95.8	90.6	77.1	54.1	23.0	79.2	800
	06-08	100.0	99.4	99.3	97.6	94.8	88.6	76.7	56.6	23.4	79.0	806
	09-11	99.8	99.5	99.4	98.6	95.6	88.8	76.7	59.4	25.9	79.7	810
	12-14	100.0	99.5	99.1	98.5	96.0	88.4	76.9	58.8	22.8	79.5	791
	15-17	100.0	100.0	99.5	98.2	94.7	88.7	79.9	60.2	27.7	80.3	618
	18-20	100.0	100.0	99.2	97.1	96.6	90.7	80.1	63.9	33.2	81.4	377
	21-23	99.8	99.8	99.4	99.1	98.0	95.2	83.5	62.6	28.7	81.9	540
TOTALS		100.0	99.7	99.4	98.3	96.0	90.2	78.8	58.9	26.2	80.1	5509



## RELATIVE HUMIDITY

FEB  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.9	98.9	94.1	84.0	69.7	45.0	15.7	76.2	770
	03-05	100.0	100.0	100.0	99.2	95.6	85.2	68.1	43.0	16.6	76.2	724
	06-08	100.0	100.0	100.0	99.3	96.3	87.2	69.5	48.0	16.7	77.2	735
	09-11	99.9	99.7	99.6	99.1	95.0	86.8	71.4	48.0	16.4	76.9	740
	12-14	99.7	99.7	99.7	98.5	93.9	85.8	70.3	45.4	15.9	76.4	725
	15-17	100.0	100.0	100.0	99.2	94.0	83.1	66.8	45.5	18.6	76.2	629
	18-20	100.0	100.0	99.7	96.4	88.5	81.3	65.1	45.4	18.7	75.3	390
	21-23	100.0	100.0	100.0	97.9	93.0	84.0	69.1	46.5	17.3	76.2	514
TOTALS		100.0	99.9	99.9	98.6	93.8	84.7	68.8	45.9	17.0	76.3	5157

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

7 0120 CAPE ROMANZOF AFS AK  
STATION STATION NAME

73-81

PERIOD

MAN MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.7	98.2	95.5	89.1	75.1	49.1	17.3	77.7	796
	03-05	100.0	99.8	98.8	98.3	94.8	88.3	73.4	47.1	17.8	77.2	826
	06-08	100.0	100.0	98.9	97.0	94.4	87.4	74.0	49.2	18.4	77.2	827
	09-11	100.0	100.0	99.3	97.1	93.4	87.3	73.0	48.8	14.8	76.7	830
	12-14	100.0	100.0	99.5	97.7	93.8	84.9	70.9	47.6	17.6	76.5	819
	15-17	100.0	100.0	100.0	99.1	95.1	87.3	73.0	51.1	19.6	77.8	755
	18-20	100.0	99.8	99.5	98.5	95.4	91.1	76.5	53.7	22.6	76.9	549
	21-23	100.0	99.8	99.4	98.9	95.4	90.7	79.8	54.3	21.2	79.0	624
TOTALS		100.0	99.9	99.4	98.1	94.7	88.3	74.5	50.1	18.7	77.6	6026

USAFETAC

FORM  
101 84

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

7 120 CAPE ROMANZOF AFS AK  
STATION

73-81

APR  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	98.7	94.8	82.1	58.6	26.4	81.8	773
	03-05	100.0	100.0	100.0	99.9	98.9	95.2	82.7	59.1	26.3	81.8	610
	06-08	100.0	100.0	100.0	99.9	98.6	95.6	84.3	59.3	24.1	81.6	610
	09-11	100.0	100.0	100.0	99.5	98.6	94.1	82.3	57.5	22.6	81.7	610
	12-14	100.0	100.0	100.0	99.9	99.0	93.2	78.4	54.8	20.1	80.1	610
	15-17	100.0	100.0	100.0	100.0	99.0	95.3	82.2	56.0	22.9	81.1	794
	18-20	100.0	100.0	100.0	99.7	98.2	95.3	83.2	60.2	25.3	81.9	660
	21-23	100.0	100.0	100.0	99.7	98.3	93.8	81.8	59.5	24.3	81.8	650
TOTALS		100.0	100.0	100.0	99.8	98.7	94.7	82.1	58.1	24.5	81.4	6117

USAFETAC

FORM  
101-64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

7 2120 CAPE ROMANZOF AFS AK

73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.6	96.5	79.6	64.1	30.4	82.5	802
	03-05	100.0	100.0	100.0	100.0	99.3	96.2	81.9	63.7	33.3	83.1	835
	06-08	100.0	100.0	100.0	99.5	98.9	92.5	78.1	62.0	29.8	81.6	836
	09-11	100.0	100.0	100.0	99.6	97.8	91.0	76.6	55.7	23.4	79.9	836
	12-14	100.0	100.0	100.0	99.9	97.5	90.6	75.0	50.0	20.7	78.9	836
	15-17	100.0	100.0	99.9	99.7	98.6	91.5	75.8	52.7	21.3	79.4	774
	18-20	100.0	100.0	100.0	100.0	99.5	94.2	78.3	52.7	22.8	80.3	600
	21-23	100.0	100.0	100.0	100.0	99.4	96.4	82.7	63.8	29.6	82.6	665
TOTALS		100.0	100.0	100.0	99.8	98.8	93.6	78.5	58.1	26.4	81.0	6194

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

7 120  
STATION

CAPE POMANZOF AFS AK  
STATION NAME

73-81  
PERIOD

JUN  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	00-02	100.0	100.0	100.0	99.7	98.9	96.8	90.8	77.1	48.3	87.4	717
	03-05	100.0	100.0	100.0	100.0	98.8	97.6	92.7	79.0	49.9	88.0	753
	06-08	100.0	100.0	99.9	99.7	99.5	96.7	89.8	76.3	48.1	87.1	782
	09-11	100.0	100.0	100.0	99.7	98.5	93.4	85.3	69.9	42.8	84.9	786
	12-14	100.0	100.0	100.0	99.6	98.3	93.5	83.1	66.1	35.9	83.5	771
	15-17	100.0	100.0	100.0	99.8	98.7	95.4	87.0	68.8	38.3	84.6	624
	18-20	100.0	100.0	100.0	100.0	99.3	96.2	91.7	73.7	42.9	86.6	422
	21-23	100.0	100.0	100.0	100.0	99.1	97.3	92.9	77.7	51.3	87.8	546
TOTALS		100.0	100.0	100.0	99.8	98.9	95.9	89.1	73.6	44.7	86.2	5477

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	30-02	100.0	100.0	100.0	100.0	99.7	97.7	91.1	72.2	44.2	86.6	785
	03-05	100.0	100.0	100.0	99.9	99.8	97.9	92.7	76.6	48.8	87.8	521
	06-08	100.0	100.0	100.0	99.6	98.8	95.6	88.6	74.5	48.5	86.6	821
	09-11	100.0	100.0	100.0	99.6	97.2	93.8	85.3	69.1	38.2	84.3	821
	12-14	100.0	100.0	100.0	99.6	97.8	92.9	82.5	63.0	30.4	82.5	817
	15-17	100.0	100.0	100.0	100.0	98.9	94.5	84.3	61.8	29.0	82.6	696
	18-20	100.0	100.0	100.0	99.6	99.4	97.0	89.5	67.8	36.2	84.8	531
	21-23	100.0	100.0	100.0	100.0	99.8	98.3	91.7	72.8	39.8	86.3	635
TOTALS		100.0	100.0	100.0	99.8	98.9	96.0	88.2	69.7	39.4	85.2	5927

3

10

CAPE ROMANZOF AFS AK  
STATION NAME

PERIOD

AUG  
MONTH

## 1

1

FORM  
JUL 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.6	98.7	94.7	77.6	43.3	87.0	771
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	93.6	81.3	44.7	87.6	801
	06-08	100.0	100.0	100.0	100.0	99.9	97.5	92.4	76.4	42.4	86.5	802
	09-11	100.0	100.0	100.0	100.0	99.8	97.3	90.3	67.2	34.0	84.7	803
	12-14	100.0	100.0	100.0	100.0	99.1	96.0	85.4	60.4	30.2	83.2	782
	15-17	100.0	100.0	100.0	100.0	99.4	97.6	88.6	63.5	33.0	84.1	699
	18-20	100.0	100.0	100.0	100.0	99.4	99.2	94.2	72.8	34.4	85.8	514
21-23	100.0	100.0	100.0	100.0	99.5	99.5	97.7	77.8	42.9	87.4	594	
TOTALS		100.0	100.0	100.0	100.0	99.6	98.0	92.0	72.1	38.1	85.8	5766



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

70120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81

PERIOD

OCT  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.6	98.7	92.5	73.3	34.8	85.4	823
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	93.0	75.5	38.4	86.2	837
	06-08	100.0	100.0	100.0	100.0	99.9	98.8	93.8	74.2	37.8	85.8	837
	09-11	100.0	100.0	100.0	100.0	99.8	98.2	90.4	70.3	32.6	84.5	637
	12-14	100.0	100.0	100.0	100.0	99.9	97.7	90.0	67.0	26.6	83.8	636
	15-17	100.0	100.0	100.0	100.0	100.0	98.6	91.3	72.0	32.2	84.9	779
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	93.6	75.1	37.4	86.1	546
	21-23	100.0	100.0	99.9	99.9	99.7	99.1	93.0	75.1	34.2	85.5	670
TOTALS		100.0	100.0	100.0	100.0	99.9	98.7	92.2	72.8	34.3	85.3	6165

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

NOV

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.9	99.4	96.2	86.8	63.8	30.7	83.2	809
	03-05	100.0	100.0	100.0	100.0	99.9	97.3	88.1	65.8	32.5	83.8	810
	06-08	100.0	100.0	100.0	100.0	99.8	97.3	89.3	65.7	33.2	84.0	810
	09-11	100.0	100.0	100.0	99.9	99.3	95.8	85.8	63.6	28.9	82.9	810
	12-14	100.0	100.0	100.0	100.0	99.3	96.0	84.7	63.2	28.9	82.8	810
	15-17	100.0	100.0	100.0	99.7	99.0	95.6	85.8	64.1	32.3	83.1	775
	18-20	100.0	100.0	100.0	100.0	99.6	95.0	86.1	61.1	35.6	83.4	517
	21-23	100.0	100.0	100.0	99.8	99.1	96.0	85.7	62.5	29.1	82.8	643
TOTALS		100.0	100.0	100.0	99.9	99.4	96.2	86.5	63.7	31.4	83.3	5984

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# RELATIVE HUMIDITY

707120  
STATION

CAPE ROMANZOF AFS AK  
STATION NAME

73-81

PERIOD

DEC  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.5	98.5	94.1	87.0	74.3	46.7	22.9	78.0	603
	03-05	100.0	100.0	99.5	97.5	94.1	85.6	74.8	46.3	23.7	77.7	810
	06-08	100.0	99.9	99.5	97.2	93.8	86.7	76.1	49.6	22.5	78.0	813
	09-11	99.9	99.9	99.4	97.9	95.5	86.4	73.7	50.4	21.3	78.0	818
	12-14	100.0	99.9	99.4	97.7	93.8	85.9	74.2	50.8	20.7	77.7	794
	15-17	100.0	100.0	99.5	98.6	93.7	85.9	73.9	47.3	20.6	77.5	651
	18-20	100.0	100.0	100.0	97.9	95.1	86.6	72.2	42.9	22.1	77.6	471
	21-23	100.0	100.0	99.7	98.3	95.2	86.7	74.0	45.6	24.2	77.9	631
TOTALS		100.0	100.0	99.6	98.0	94.4	86.4	74.2	47.5	22.3	77.8	5741

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

702120 CAPE ROMANZOF AFS AK

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.7	99.4	98.3	96.7	93.2	78.8	58.9	26.2	80.1	5539
FEB		100.0	99.9	99.9	98.6	93.8	84.7	68.8	45.9	17.0	76.3	5157
MAR		100.0	99.9	99.4	98.1	94.7	88.3	74.5	50.1	18.7	77.6	6026
APR		100.0	100.0	100.0	99.8	98.7	94.7	82.1	58.1	24.5	81.4	6117
MAY		100.0	100.0	100.0	99.8	98.8	93.6	78.5	58.1	26.4	81.0	6184
JUN		100.0	100.0	100.0	99.8	98.9	95.9	89.1	73.6	44.7	86.2	5407
JUL		100.0	100.0	100.0	99.8	98.9	96.0	88.2	69.7	39.4	85.2	5927
AUG		100.0	100.0	100.0	100.0	99.6	97.8	92.4	75.2	44.7	87.0	5713
SEP		100.0	100.0	100.0	100.0	99.6	98.0	92.0	72.1	38.1	85.8	5766
OCT		100.0	100.0	100.0	100.0	99.9	98.7	92.2	72.8	34.3	85.3	6165
NOV		100.0	100.0	100.0	99.9	99.4	96.2	86.5	63.7	31.4	83.3	5984
DEC		100.0	100.0	99.6	98.0	94.4	86.4	74.2	47.5	22.3	77.8	5791
TOTALS		100.0	100.0	99.9	99.3	97.7	93.4	83.1	62.1	30.6	82.3	69746

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

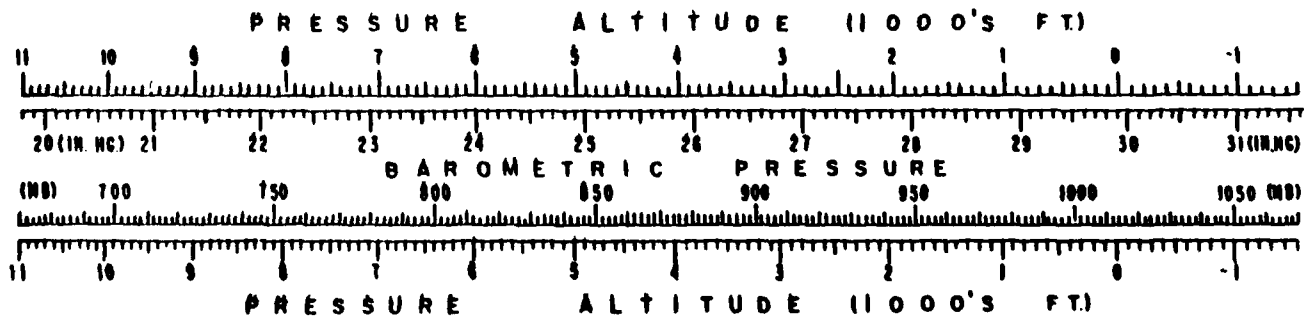
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

702120 CAPE ROMANZOF AFS AK

73-81

STATION		YEARS													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
22	MEAN	29.143	29.166	29.131	29.229	29.233	29.352	29.354	29.302	29.209	29.071	29.072	29.129	29.198	
	S.D.	.461	.411	.340	.309	.259	.213	.182	.230	.296	.354	.405	.455	.351	
	TOTAL OBS.	266	246	278	270	279	249	273	268	267	279	270	270	3217	
5	MEAN	29.126	29.158	29.124	29.226	29.232	29.352	29.352	29.296	29.202	29.066	29.067	29.122	29.193	
	S.D.	.465	.412	.344	.307	.260	.212	.183	.231	.297	.354	.403	.453	.352	
	TOTAL OBS.	270	245	278	270	278	252	274	268	267	279	270	272	3223	
9	MEAN	29.128	29.160	29.129	29.233	29.239	29.361	29.359	29.303	29.207	29.073	29.072	29.126	29.199	
	S.D.	.467	.413	.347	.307	.261	.209	.186	.233	.299	.353	.405	.457	.353	
	TOTAL OBS.	271	251	278	270	279	261	274	268	267	279	270	272	3240	
1	MEAN	29.137	29.167	29.139	29.242	29.245	29.367	29.367	29.309	29.212	29.079	29.079	29.136	29.206	
	S.D.	.467	.417	.346	.309	.261	.210	.183	.235	.300	.353	.405	.456	.354	
	TOTAL OBS.	271	249	278	270	279	262	274	269	268	279	270	273	3242	
14	MEAN	29.131	29.145	29.133	29.240	29.242	29.365	29.368	29.300	29.215	29.065	29.064	29.143	29.200	
	S.D.	.461	.423	.342	.311	.262	.214	.183	.243	.292	.354	.406	.454	.354	
	TOTAL OBS.	253	235	269	270	278	248	270	229	247	278	270	252	3099	
17	MEAN	29.145	29.177	29.128	29.232	29.238	29.349	29.342	29.287	29.223	29.049	29.077	29.157	29.196	
	S.D.	.497	.434	.341	.311	.263	.224	.186	.233	.294	.364	.415	.457	.356	
	TOTAL OBS.	160	176	226	255	218	165	184	207	211	223	235	192	2452	
20	MEAN	29.054	29.130	29.101	29.223	29.247	29.330	29.340	29.279	29.214	29.031	29.078	29.218	29.189	
	S.D.	.486	.434	.336	.310	.260	.227	.182	.213	.302	.368	.434	.470	.358	
	TOTAL OBS.	125	121	161	201	178	132	170	155	150	174	172	157	1896	
23	MEAN	29.128	29.152	29.146	29.218	29.254	29.351	29.364	29.305	29.209	29.064	29.064	29.143	29.196	
	S.D.	.469	.424	.339	.298	.258	.224	.181	.228	.308	.357	.409	.455	.357	
	TOTAL OBS.	237	219	247	236	245	221	237	237	237	267	267	263	2913	
ALL HOURS	MEAN	29.128	29.158	29.130	29.231	29.241	29.355	29.357	29.299	29.211	29.064	29.071	29.145	29.198	
	S.D.	.469	.419	.342	.307	.260	.215	.183	.231	.298	.356	.408	.457	.354	
	TOTAL OBS.	1855	1742	2015	2042	2034	1790	1956	1901	1914	2058	2024	1951	23282	

GLOBAL CLIMATOLOGY BRANCH  
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## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

70120 CAPE ROMANZOF AFS AK

73-81

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2			989.81005.2	997.01004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91	996.81004.91
	MEAN		8.52210.639	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467	8.89811.467
	S.D.		31	28	32	60	62	60	63	62	61	62	60	62	643
	TOTAL OBS														
5			989.31004.9	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71	996.31004.71
	MEAN		9.28510.170	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373	8.57211.373
	S.D.		32	28	31	60	62	62	64	64	61	62	60	62	648
	TOTAL OBS														
8			990.21004.8	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11	996.61005.11
	MEAN		8.89110.583	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430	8.49711.430
	S.D.		31	28	31	60	62	60	63	62	61	62	60	63	643
	TOTAL OBS														
11			990.21004.2	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41	997.51005.41
	MEAN		9.06311.143	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392	8.30011.392
	S.D.		34	30	32	60	62	61	62	62	62	62	61	62	653
	TOTAL OBS														
14			990.31004.4	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31	997.01005.31
	MEAN		8.95911.673	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405	7.74911.405
	S.D.		31	28	31	60	62	60	62	62	60	62	60	61	639
	TOTAL OBS														
17			990.41004.3	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21	996.71005.21
	MEAN		8.81511.862	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227	7.79211.227
	S.D.		31	28	31	60	62	60	64	62	60	63	60	61	642
	TOTAL OBS														
20			990.51004.0	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31	996.61005.31
	MEAN		8.82112.239	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985	8.10410.985
	S.D.		31	28	31	60	62	60	63	62	60	62	60	61	640
	TOTAL OBS														
23			990.71004.3	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51	996.71005.51
	MEAN		8.64912.259	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921	8.04210.921
	S.D.		31	28	32	60	62	60	63	63	60	62	60	62	643
	TOTAL OBS														
ALL HOURS			990.21004.5	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21	996.81005.21
	MEAN		8.76911.173	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197	8.10811.197
	S.D.		252	226	251	480	496	483	504	499	485	497	481	494	5148
	TOTAL OBS														

DATE  
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8